

72

Access DB# 119413

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: BRIAN P. YENKE Examiner #: 77730 Date: 14 Apr 09  
 Art Unit: 2614 Phone Number 305-9871 Serial Number: 09/884840  
 Mail Box Location: PLZ 602 Results Format Preferred (circle) PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: FLAT MOISTURE HOTV Display  
 Inventors (please provide full names): See Atch

Earliest Priority Filing Date: 27 April 2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Fig 3 -- is Best Figure for invention  
 ferro-electric or ferroelectric or FLC (SAME) prism  
 (AND) row (AND) column (AND) PIXEL  
 (AND) FLAT Screen (or) Thin Screen  
 or TV or Display TV

4-14-04 2:40 PM

## STAFF USE ONLY

Searcher: Pamela Reynolds  
 Searcher Phone #: 306-0255  
 Searcher Location: PLZ 303  
 Date Searcher Picked Up: 4-15-04 8:30  
 Date Completed: 4-16-04 1202  
 Searcher Prep & Review Time: 122  
 Clerical Prep Time: 118  
 Online Time: 118

## Type of Search

NA Sequence (#) \_\_\_\_\_  
 AA Sequence (#) \_\_\_\_\_  
 Structure (#) 1  
 Bibliographic ✓  
 Litigation \_\_\_\_\_  
 Fulltext ✓  
 Patent Family \_\_\_\_\_  
 Other \_\_\_\_\_

## Vendors and cost where applicable

STN \_\_\_\_\_  
 Dialog ✓  
 Questel/Orbit \_\_\_\_\_  
 Dr.Link \_\_\_\_\_  
 Lexis/Nexis \_\_\_\_\_  
 Sequence Systems \_\_\_\_\_  
 WWW/Internet ✓  
 Other (specify) IEEE ACM SID  
2:40



# **STIC Search Report**

## **EIC 2600**

**STIC Database Tracking Number: 119413**

**TO: Brian Yenke**  
**Location: Pk2 6C42**  
**Art Unit: 2614**  
**Friday, April 16, 2004**

**Case Serial Number: 09/884840**

**From: Pamela Reynolds**  
**Location: EIC 2600**  
**PK2-3C03**  
**Phone: 306-0255**

**Pamela.Reynolds@uspto.gov**

### **Search Notes**

Dear Brian Yenke,

Please find attached the search results for 09/884840. I used the search strategy I emailed to you to edit, not hearing from you I proceeded. I searched the standard Dialog files, IBM TDBs, IEEE, ACM, SID, and the internet.

If you would like a re-focus please let me know.

Thank you.

Pamela Reynolds



File 344:Chinese Patents Abs Aug 1985-2004/Mar  
(c) 2004 European Patent Office  
File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200423  
(c) 2004 Thomson Derwent

Set	Items	Description
S1	1191	(FERROELECTRIC? OR FERRO-ELECTRIC? OR FERRO()ELECTRIC?) () (- LCD OR LIQUID()CRYSTAL()DISPLAY?) OR FLC
S2	43571	PRISM
S3	1463243	ROW OR HORIZONTAL? OR TOP
S4	1773950	COLUMN? OR VERTICAL? OR BOTTOM?
S5	143458	PIXEL?? OR PEL?? OR PICTURE()ELEMENT?? OR SUBPEL?? OR MINI- -PEL?? OR SUBPIXEL?? OR MINIPixel?? OR (SUB OR MINI) () (PEL?? - OR PIXEL??)
S6	27661	(FLAT OR THIN) (3N) (SCREEN? OR TV OR TELEVISION OR DISPLAY? ) OR FLATSCREEN? OR FLATPANEL? OR THINSscreen? OR HDTV OR HIGH- ( )DEF? () (TV OR TELEVISION)
S7	0	ACTIVAT?(3N)S5 AND S3 AND S4 AND (RED()GREEN()BLUE OR RGB - OR COLOR? OR COLOUR?) AND SYNCHRON?
S8	1	AU=(DAWSON, T? OR BESSEL, D? OR BOYDEN, D? OR DESCH, D? OR PAUL GEORGIEF, P? OR GUNATILAKE, P? OR JONES, K? OR OTA, T? OR READ, C? OR KAWASAKI, K?)
S9	11061	AU=(DAWSON T? OR BESSEL D? OR BOYDEN D? OR DESCH D? OR GEO- RGIEF P? OR GUNATILAKE P? OR JONES K? OR OTA T? OR READ C? OR KAWASAKI K?)
S10	798738	IC=H04N?
S11	171	S5 AND S3 AND S4 AND (RED()GREEN()BLUE OR RGB OR COLOR? OR COLOUR?) AND SYNCHRON?
S12	8	S11 AND S6
S13	2	S2 AND S11
S14	1	S13 NOT S12
S15	1	(S8 OR S9) AND S1
S16	1	S1 AND S2 AND S3 AND S4 AND S5
S17	0	S16 NOT (S12 OR S13 OR S15)
S18	1	S1 AND S6 AND S2
S19	0	S18 NOT (S12 OR S13 OR S15)

12/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

016080988 \*\*Image available\*\*  
WPI Acc No: 2004-238849/200422  
XRPX Acc No: N04-189335

Flat panel field emission display device, has clock generator coupled to row enable circuitry to generate clock pulse that are separated by sufficient and insufficient period to energize and fail to energize row line, respectively

Patent Assignee: CANDESCENT TECHNOLOGIES CORP (CAND-N)

Inventor: HANSEN R L

Number of Countries: 023 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200417292	A1	20040226	WO 2000US1939	A	20001012	200422 B

Priority Applications (No Type Date): WO 2000US1939 A 20001012

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200417292	A1	E 51	G09G-003/22	
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Designated States (National): BR CN JP KR SG

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Flat panel field emission display device, has clock generator coupled to row enable circuitry to generate clock pulse that are separated by sufficient and insufficient period to energize and fail to energize row line, respectively

Abstract (Basic):

... The device has column and row drivers coupled to respective column and row lines (711-717). The column driver drive color signals and row driver energize row lines, which are enabled and presented with row -on-time pulse. A clock generator is coupled to a row enable circuitry and generates a clock pulse which is separated by sufficient and insufficient duration to energize and fail to energize a row line, respectively.

... An INDEPENDENT CLAIM is also included for a method of displaying image information on a flat panel display screen having a matrix of pixels aligned by row line and column line...

...Used for displaying interlaced and non interlaced video information on a flat panel display apparatus...

...The method provides a row enable circuitry that is controlled by a clock generator, thereby rendering both interlaced and non interlaced display formats simultaneously in the same flat panel display device. The dual display mode can also adjust a required display format without requiring any...

... Horizontal synchronization signal (214...

... Row on time pulse signal (216...

... Vertical synchronizing signal (625...

... Row line (711-717

...Title Terms: ROW ;

12/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013548642 \*\*Image available\*\*  
WPI Acc No: 2001-032848/200105  
XRPX Acc No: N01-025603

Method and device for aligning a phase between a graphics card's pixel cycle and a flat display screen 's scan cycle detects ascending edge of a video impulse for a clear picture point in a first picture column next to a back porch area.

Patent Assignee: FUJITSU SIEMENS COMPUTERS GMBH (SIEI ); PCS PC-SYSTEME ENTWICKLUNGS & PRODUKTION (PCSP-N); FUJITSU SIEMENS COMPUTERS GMBH (FUJI-N)

Inventor: HASE P V; VON HASE P

Number of Countries: 029 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19913917	A1	20001005	DE 1013917	A	19990326	200105 B
WO 200058937	A1	20001005	WO 2000DE835	A	20000317	200105
DE 19913917	C2	20010125	DE 1013917	A	19990326	200106
EP 1183676	A1	20020306	EP 2000929227	A	20000317	200224
			WO 2000DE835	A	20000317	
CN 1345435	A	20020417	CN 2000805603	A	20000317	200248
KR 2002028867	A	20020417	KR 2001712270	A	20010926	200268

Priority Applications (No Type Date): DE 1013917 A 19990326

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19913917	A1		8	G09G-005/12	
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WO 200058937	A1	G		G09G-005/18	
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Designated States (National): CN JP KR US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

DE 19913917	C2			G09G-005/12	
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EP 1183676	A1	G		G09G-005/18	Based on patent WO 200058937
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

CN 1345435	A			G09G-005/18	
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KR 2002028867	A			G09G-005/18	
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Method and device for aligning a phase between a graphics card's pixel cycle and a flat display screen 's scan cycle detects ascending edge of a video impulse for a clear picture point in a first picture column next to a back porch area.

Abstract (Basic):

... A control circuit's input has a video signal using three color signals (R,G,B) and two synchronizing signals (H-sync,V-sync) for synchronizing a picture horizontally and vertically, transmitted digitally with a signal voltage of 0 V and at least 3 V. V...

... In flat display screens .

...

...a video impulse is detected in a sufficiently clear picture point in a last picture column next to a front porch area and a phase is adjusted, so that the scanning...

...The figure shows a block circuit diagram of a flat display screen

connected to a graphics card in a computer system via an analog interface...

... Color signals (R,G,B...

... Horizontal synchronizing signal (H-sync...

... Vertical synchronizing signal (V-sync

...Title Terms: PIXEL ;

12/3,K/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012924903 \*\*Image available\*\*  
WPI Acc No: 2000-096739/200008  
XRPX Acc No: N00-074743

Voltage signals multiplexing system for color balance adjustment in  
flat panel field emission display device

Patent Assignee: CANDESCENT TECHNOLOGIES CORP (CAND-N)

Inventor: FRIEDMAN J; HANSEN R L; STOIAN L

Number of Countries: 021 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9950816	A1	19991007	WO 98US25952	A	19981207	200008	B
EP 1066618	A1	20010110	EP 98960800	A	19981207	200103	
			WO 98US25952	A	19981207		
US 6169529	B1	20010102	US 9850667	A	19980330	200103	
KR 2001052232	A	20010625	KR 2000710956	A	20000930	200173	
JP 2002510072	W	20020402	WO 98US25952	A	19981207	200225	
			JP 2000541655	A	19981207		
KR 404678	B	20031107	WO 98US25952	A	19981207	200418	
			KR 2000710956	A	20000930		

Priority Applications (No Type Date): US 9850667 A 19980330

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9950816 A1 E 73 G09G-003/32

Designated States (National): JP KR

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

EP 1066618 A1 E G09G-003/32 Based on patent WO 9950816

Designated States (Regional): DE FR GB IE NL

US 6169529 B1 G09G-003/22

KR 2001052232 A G09G-003/32

JP 2002510072 W 67 G09G-003/22 Based on patent WO 9950816

KR 404678 B G09G-003/32 Previous Publ. patent KR 2001052232

Based on patent WO 9950816

Voltage signals multiplexing system for color balance adjustment in  
flat panel field emission display device

Abstract (Basic):

... Effective voltage applied during row -on time window is  
adjusted by multiplexing two different column voltages. Full and half  
column voltages are respectively applied during two parts of row -on  
time window. Length of two parts is adjusted for different colors .  
Timing circuit outputs a color select signal, based on which color  
balancing circuit outputs two different voltages.

... Rows (230) of FED screen are activated during row -on time window by drivers (220) while corresponding individual gray scale information are driven over the columns (250) by respective drivers (240). Horizontal clock signal over a horizontal clock signal supply line (214) synchronizes loading of pixel row of gray scale data in column drivers. By adjusting the effective voltage applied during row -on time window by column drivers, the intensity of particular color is controlled...

...For color balance adjustment in flat panel FED device...

...Effective column voltages are adjusted for color intensity modification, and also the color data of column drivers are not altered during color balancing, hence gray scale resolution is not degraded. Saves power by reducing frequency of voltage...

...The figure illustrates plan view of flat panel field emission display

... Horizontal clock signal supply line (214...

... Row (230...

... Column (250

...Title Terms: COLOUR ;

12/3,K/4 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012911253 \*\*Image available\*\*  
WPI Acc No: 2000-083089/200007  
XRPX Acc No: N01-100985

Video signal converter for HDTV signal, interfaces luminance signal components from flipflops with color signal components based on external clock signal to output final luminance, final color and final clock signals

Patent Assignee: HYUNDAI ELECTRONICS IND CO LTD (HYUN-N)

Inventor: KANG B J

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 98082976	A	19981205	KR 9718093	A	19970510	200007 B
US 6128343	A	20001003	US 986285	A	19980113	200115
KR 237353	B1	20000115	KR 9718093	A	19970510	200114

Priority Applications (No Type Date): KR 9718093 A 19970510

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 98082976	A		H04N-005/46	
US 6128343	A	18	H04N-007/24	
KR 237353	B1		H04N-005/46	

Video signal converter for HDTV signal, interfaces luminance signal components from flipflops with color signal components based on external clock signal to output final luminance, final color and final clock signals

Abstract (Basic):

... An interpolator delays **color** signal components output from **color** signal memory for preset time period. D-flipflops buffers luminance signal components (Ye,Yo) output...

...circuit. A digital interface unit interfaces luminance signal components output from the flip-flops with **color** signal components based on external clock signal to output final luminance, final **color** and final clock signals.

... converts frame rate of output data from the converter (20) based on syntax data indicating **vertical** size, **horizontal** size, frame rate code and scanning format of video data required by MPEG. An interface...

...The video signal converter includes address control unit for performing address control operation based on **synchronous** signal and external clock signal. A memory stores and outputs luminance signal components of video data under control of address control circuit. A **color** signal memory stores and outputs **color** signal components of video data. A multiplexing circuit multiplexes luminance signal components. An INDEPENDENT CLAIM...

...For converting video signal such as **HDTV** signal, NTSC TV signal...

...line order so that it can be displayed on the CRT, and further every four **pixels** are processed in a parallel manner at a time, so that hardware can be simply...

...Title Terms: **HDTV** ;

12/3,K/5 (Item 5 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2004 Thomson Derwent. All rts. reserv.

012177293 \*\*Image available\*\*  
 WPI Acc No: 1998-594204/199850  
 Related WPI Acc No: 2001-352971  
 XRPX Acc No: N98-462346

**AC colour plasma display system - includes gray scale drive system which connects interface circuit to electrodes on plasma display panel**  
 Patent Assignee: PHOTONICS SYSTEMS CORP (PHOT-N)  
 Inventor: STOLLER R A  
 Number of Countries: 001 Number of Patents: 001  
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5828356	A	19981027	US 92932198	A	19920821	199850 B
			US 92978225	A	19921119	

Priority Applications (No Type Date): US 92978225 A 19921119; US 92932198 A 19920821

Patent Details:  
 Patent No Kind Lan Pg Main IPC Filing Notes  
 US 5828356 A 21 G09G-003/28 CIP of application US 92932198

**AC colour plasma display system...**

...Abstract (Basic): circuit is connected to receive video signals from one of video sources and to produce **pixel** data, **pixel** clock and **horizontal** and **vertical** **synchronizing** signals, in digital form. A gray scale drive system connects the interface circuits to electrodes on AC display panel. The gray scale drive system includes blue, green



and red colour channels and gray scale controller within each channel  
...

...USE - For HDTV .

...

...ADVANTAGE - Provides bright colours with high intensity. Stabilizes operations. Increases display life

...Title Terms: COLOUR ;

12/3,K/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

010127423 \*\*Image available\*\*

WPI Acc No: 1995-028674/199504

XRFX Acc No: N95-022660

Colour image pick-up device used in image reproduction system, image processing device etc. - incorporates pixel shift device for horizontal or vertical movement or both horizontal and vertical directions by internal multiple of pixel pitch

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6315154	A	19941108	JP 93123196	A	19930428	199504 B

Priority Applications (No Type Date): JP 93123196 A 19930428

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 6315154	A	13	H04N-009/04	

Colour image pick-up device used in image reproduction system, image processing device etc...

...incorporates pixel shift device for horizontal or vertical movement or both horizontal and vertical directions by internal multiple of pixel pitch

...Abstract (Basic): The colour image pick-up device includes a set of dichroic prisms. A lens (2) focuses the...

...dichroic prisms (4R, 4B, 4G). Three corresponding sensors (11R, 11B, 11G) pick up the relevant colours from these three prisms. Three active domain detection parts (6R, 6B, 6G) are connected to...

...At least one solid state element is made to synchronise with the field or frame period. The interpolation processing unit consists of three parts (5R, 5B, 5G) to process the red, green and blue components of a pixel. The active element detection domain is connected to the interpolation processing unit. The frame composition...

...up image with natural movement. Enables highly precise animated image to be picked up. Realises HDTV function at low cost. Provides easy picture bandwidth compression through active domain, by simply transmitting...

Title Terms: COLOUR ;

12/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

008622572     \*\*Image available\*\*  
WPI Acc No: 1991-126602/199118  
XRPX Acc No: N91-097426

Driver for matrix addressable flat panel colour display - maintains  
colour separation by drive circuitry to give CRT compatibility

Patent Assignee: DELCO ELTRN CORP (DELC-N)  
Inventor: KING J F; VINCEN M R  
Number of Countries: 004 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 425107	A	19910502	EP 90310758	A	19901002	199118 B

Priority Applications (No Type Date): US 89427559 A 19891027

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 425107	A			

Designated States (Regional): DE FR GB IT

Driver for matrix addressable flat panel colour display - ...

...maintains colour separation by drive circuitry to give CRT  
compatibility

...Abstract (Basic): The flat panel liquid crystal display (100) has a  
number of individually controllable sets of red (R), green (G) and blue  
(B) pixels . The pixels are arranged in laterally extending triads  
of red, green and blue pixels such that each vertical column  
contains pixels of the same colour .  
Column ...

...Column drivers (130-140) receive and store synchronously generated red,  
green and blue control voltages for each triad of a given display panel  
row to enable application of the stored column control voltages to the  
pixels of the respective triads...

...USE/ADVANTAGE - Interfaces matrix addressable flat panel display to  
a standard CRT display controller. Does not require colour select  
circuitry. (4pp Dwg.No.2/2)

...Title Terms: COLOUR ;

12/3,K/8     (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

007079782  
WPI Acc No: 1987-079779/198711  
XRPX Acc No: N87-060319

Chromatic signal converter for flat panel display system - has  
electro-optical polychromatic converter receiving video signals and  
producing isotropic radiation field to imaging screen

Patent Assignee: STINE E V (STIN-I); STINE E (STIN-I)  
Inventor: STINE E V; STINE E  
Number of Countries: 038 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8701495	A	19870312	WO 86US1777	A	19860826	198711 B

AU 8663354	A	19870324			198723
EP 235267	A	19870909	EP 86905586	A	19860826 198736
US 4720706	A	19880119	US 85769336	A	19850826 198805
JP 63500686	W	19880310	JP 86504793	A	19860626 198816
EP 235267	B1	19940413	EP 86905586	A	19860826 199415
			WO 86US1777	A	19860826
DE 3689791	G	19940519	DE 3689791	A	19860826 199421
			EP 86905586	A	19860826
			WO 86US1777	A	19860826
EP 235267	A4	19891227	EP 86905586	A	19860000 199509

Priority Applications (No Type Date): US 85769336 A 19850826

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 8701495	A	E	43		
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Designated States (National): AU BB BG BR DK FI HU JP KP KR LK MC MG MW  
NO RO SD SU

Designated States (Regional): AT BE CF CG CH CM DE FR GA GB IT LU ML MR  
NL SE SN TD TG

EP 235267	A	E
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Designated States (Regional): DE FR GB IT NL SE

US 4720706	A	18
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EP 235267	B1	E	24	G09G-003/20	Based on patent WO 8701495
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Designated States (Regional): DE FR GB IT NL SE

DE 3689791	G		G09G-003/20	Based on patent EP 235267
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Based on patent WO 8701495

**Chromatic signal converter for flat panel display system...**

...Abstract (Basic): Video signals (1) representing **RGB** components are supplied in **synchronism** with **horizontal** and **vertical** sync signals (27) to the electro-optical polychromatic converter (3). This produces, in response to...

...ADVANTAGE - Provides viable solid-state **flat** -panel **display** alternative to CRT...

...Abstract (Equivalent): A display device for producing an image comprised of a plurality of **pixels**, said device comprising; at least a first and second light means, each light means for producing as an individual response to a video signal visible light radiations having a **colour** different from the other light means; means for mixing said **colour** radiations, light screen means for confining said mixed light, said light screen means comprised of a plurality of individually addressable light gates for permitting, when addressed, said mixed **colour** radiations to be emitted; and means for selectively addressing said light gates in a timed relationship to said video signal such that a composite multi- **colour** display is produced...

...Abstract (Equivalent): sources each producing in individual response to a video signal visible light radiations having a **colour** different from the other source means for mixing said **colour** radiations. A light screen confines mixed light, and is comprised of a number of individually addressable light gates for permitting, when addressed, the mixed **colour** radiations to be emitted. The light gates are selectively addressed in a timed relationship to the video signal such that a composite multi- **colour** display is produced. (18pp)

?

14/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

009091486 \*\*Image available\*\*

WPI Acc No: 1992-218909/199227

Related WPI Acc No: 1994-185075; 1995-193622; 1996-117309; 1996-208925

XRPX Acc No: N92-166225

Colour projection video system with single light valve - uses scanning  
and row addressing to give simultaneous view of different light  
colours

Patent Assignee: PHILIPS GLOEILAMPENFAB NV (PHIG ); PHILIPS ELECTRONICS NV  
(PHIG ); KONINK PHILIPS ELECTRONICS NV (PHIG ); NORTH AMERICAN PHILIPS  
CORP (PHIG ); PHILIPS ELECTRONICS NORTH AMERICA CORP (PHIG )

Inventor: BINGHAM J; BRADLEY R; JANSSEN P; GUERINOT W; OTTO D; BINGHAM J P;  
BRADLEY R H; GUERINOT W F; JANSSEN P J

Number of Countries: 009 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 492721	A2	19920701	EP 91203338	A	19911218	199227 B
JP 4316296	A	19921106	JP 91346686	A	19911227	199251
CN 1062819	A	19920715	CN 91111961	A	19911224	199313
EP 492721	A3	19930317	EP 91203338	A	19911218	199350
TW 215514	A	19931101	TW 92102148	A	19920321	199403
US 5532763	A	19960702	US 90634366	A	19901227	199632
			US 92927782	A	19920810	
			US 94218882	A	19940325	
			US 95386606	A	19950210	
EP 492721	B1	19970312	EP 91203338	A	19911218	199715
US 5608467	A	19970304	US 90634366	A	19901227	199715
			US 92927782	A	19920810	
			US 94218882	A	19940325	
			US 95386606	A	19950210	
			US 95503788	A	19950718	
DE 69125125	E	19970417	DE 625125	A	19911218	199721
			EP 91203338	A	19911218	
KR 223724	B1	19991015	KR 9123922	A	19911223	200108
JP 3352100	B2	20021203	JP 91346686	A	19911227	200281

Priority Applications (No Type Date): US 90634366 A 19901227; US 92927782 A  
19920810; US 94218882 A 19940325; US 95386606 A 19950210; US 95503788 A  
19950718

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 492721	A2	E	8	H04N-009/31	
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Designated States (Regional): DE FR GB IT

JP 4316296	A		7	H04N-009/31	
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CN 1062819	A			H04N-009/31	
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EP 492721	A3			H04N-009/31	
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TW 215514	A			H04N-009/77	
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US 5532763	A		9	H04N-005/64	Cont of application US 90634366
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Cont of application US 92927782

Cont of application US 94218882

EP 492721	B1	E	11	H04N-009/31	
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Designated States (Regional): DE FR GB IT

US 5608467	A		9	H04N-009/31	
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Cont of application US 90634366

Cont of application US 92927782

Cont of application US 94218882

Div ex application US 95386606

Div ex patent US 5532763

DE 69125125	E			H04N-009/31	Based on patent EP 492721
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Colour projection video system with single light valve...

- ...uses scanning and row addressing to give simultaneous view of different light colours
- ...Abstract (Basic): a single white light source of illumination which provides simultaneous light bonds of three different colours, typically red, green and blue, using dichroic mirrors. An optical system, such as four-sided, rotating transmission prism (14) moves bonds of different colours across the surface of the light valve (20), so that portions of all the different colours are simultaneously present...
- ...Circuitry for addressing the light valve provides separate video signals corresponding to the colours, with delay and sequential serialisation to activate holes drivers in synchronism with the colour bonds being applied to the rows, one third of a frame apart...
- ...USE/ADVANTAGE - Video colour display. Projection t.v. Provides single panel colour display device to eliminate need for mechanically converging the image, reducing system cost. Optical efficiency...
- ...Abstract (Equivalent): A colour display device comprising an illumination system (10, 12, 14, 16, 18, 24, 25, 26, 28...
- ...10, 12, 14, 16, 18, 24, 25, 26, 28) provides simultaneously light beams of different colours and having a band-shaped cross-section, in that the light valve means is constituted by a single light valve (20) having a multiplicity of pixels, each of said pixels modulating light impinging thereon in accordance with an input image signal and in that said...
- ...system comprises a mechano-optical system (14) for moving said band-shaped beams of different colours across the surface of said light valve (20) so that beam portions of all different colours are simultaneously present on said light valve and an electronic light valve driving circuit (60) for addressing each band-shaped light valve portion illuminated by a colour beam so that said portion provides image information of the colour of said colour beam and modulates said colour beam with said information...
- ...Abstract (Equivalent): light valve that is to be illuminated by moving bands of first, second and third color in order to provide a full color display, said light valve including row and column drivers, said circuitry comprising...
- ...means for providing separate video signals corresponding to each of the first, second and third colors ;
- ...
- ...for providing a single serial stream of signals corresponding to said first, second and third colors in sequential order...
- ...means for applying said serialized stream to the column drivers of said light valve; and...
- ...means for activating said row drivers, said row drivers being activated in non-sequential order to correspond with the color bands being applied to the row .
- ...

...A colour display system comprising...

...a) a light valve having an array of rows of addressable **pixels** for modulating light impinging on the light valve in accordance with display signals applied to the **pixels** ;

(...

...b) means for providing at least two light beams, each beam having a different **colour** , and each beam being wider in the direction of the width of the **pixel** rows to be addressed and narrower in the direction of the height of the **pixel** rows to be addressed...

...in the height direction in a manner that each of the at least two different **colour** beams illuminates only a portion of the **pixel** rows to be addressed at any one time, whereby each addressable **pixel** row of the light valve is repeatedly impinged by the at least two different **colour** beams in sequence; and...

...d) means for repeatedly addressing the rows of **pixels** of the light valve in sequence with display signals corresponding to the **colour** of the beam to impinge on the **pixels** being addressed, so as to form a **colour** display image

Title Terms: COLOUR ;

?

15/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015683955 \*\*Image available\*\*  
WPI Acc No: 2003-746144/200370  
XRPX Acc No: N03-597827

Twisted nematic liquid crystal display for teleconferencing, has multiple pixels arranged as columns including multiple ferro - electric liquid crystal display lens to shift received light to prism/lens, and synchronizer

Patent Assignee: BESSEL D (BESS-I); BOYDEN D (BOYD-I); DAWSON T P (DAWS-I); DESCH D A (DESC-I); GEORGIEF P (GEOR-I); GUNATILAKE P D (GUNA-I); JONES K (JONE-I); KAWASAKI K (KAWA-I); OTA T (OTAT-I); READ C J (READ-I)  
Inventor: BESSEL D ; BOYDEN D ; DAWSON T P ; DESCH D A ; GEORGIEF P ; GUNATILAKE P D ; JONES K ; KAWASAKI K ; OTA T ; READ C J  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030164902	A1	20030904	US 2001844840	A	20010427	200370 B

Priority Applications (No Type Date): US 2001844840 A 20010427  
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030164902	A1	10	H04N-003/14	

Twisted nematic liquid crystal display for teleconferencing, has multiple pixels arranged as columns including multiple ferro - electric liquid crystal display lens to shift received light to prism/lens, and synchronizer

Inventor: BESSEL D ...

... BOYDEN D ...

... DAWSON T P ...

... DESCH D A ...

... GEORGIEF P ...

... GUNATILAKE P D ...

... JONES K ...

... KAWASAKI K ...

... OTA T ...

... READ C J

Abstract (Basic):

... The apparatus has multiple pixels arranged as multiple columns (100). The columns includes multiple ferro - electric liquid crystal display ( FLCD ) lens (90) arranged in a hierarchy such that each lens shifts received light onto a...

... Ferro - electric liquid crystal display lens (90

?

File 348:EUROPEAN PATENTS 1978-2004/Apr W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040408,UT=20040401

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	838	(FERROELECTRIC? OR FERRO-ELECTRIC? OR FERRO()ELECTRIC?) () (-LCD OR LIQUID()CRYSTAL()DISPLAY?) OR FLCD
S2	22665	PRISM
S3	664989	ROW OR HORIZONTAL? OR TOP
S4	735296	COLUMN? OR VERTICAL? OR BOTTOM?
S5	73658	PIXEL?? OR PEL?? OR PICTURE()ELEMENT?? OR SUBPEL?? OR MINI- -PEL?? OR SUBPIXEL?? OR MINIPixel?? OR (SUB OR MINI) () (PEL?? - OR PIXEL??)
S6	18074	(FLAT OR THIN) (3N) (SCREEN? OR TV OR TELEVISION OR DISPLAY?) OR FLATSCREEN? OR FLATPANEL? OR THINSscreen? OR HDTV OR HIGH(- )DEF?() (TV OR TELEVISION)
S7	1	ACTIVAT?(3N) S5(3N) S3(5N) S4(5N) (RED()GREEN()BLUE OR RGB OR - COLOR? OR COLOUR?) (3N) SYNCHRON?
S8	0	AU=(DAWSON, T? OR BESSEL, D? OR BOYDEN, D? OR DESCH, D? OR PAUL GEORGIEF, P? OR GUNATILAKE, P? OR JONES, K? OR OTA, T? OR READ, C? OR KAWASAKI, K?)
S9	924	AU=(DAWSON T? OR BESSEL D? OR BOYDEN D? OR DESCH D? OR GEO- RGIEF P? OR GUNATILAKE P? OR JONES K? OR OTA T? OR READ C? OR KAWASAKI K?)
S10	26	S5(5N) S3(5N) S4(5N) (RED()GREEN()BLUE OR RGB OR COLOR? OR CO- LOUR?) (3N) SYNCHRON?
S11	55390	IC=H04N?
S12	1	S1(S) S2(S) S3
S13	0	S1(S) S2(S) S5
S14	7	S2(S) S3(S) S4(S) S6
S15	7	S14 NOT (S7 OR S12)
S16	7	IDPAT (sorted in duplicate/non-duplicate order)
S17	7	IDPAT (primary/non-duplicate records only)
S18	0	S10(S) S6
S19	12	S10 AND S11
S20	12	S19 NOT (S7 OR S14 OR S12)
S21	12	IDPAT (sorted in duplicate/non-duplicate order)
S22	12	IDPAT (primary/non-duplicate records only)
S23	80	S2(S) S6
S24	9	S23(S) S5
S25	2	S24(S) S3(S) S4
S26	2	S25 NOT (S21 OR S7 OR S12 OR S19)
S27	4	S9 AND S6
S28	4	S27 NOT (S25 OR S21 OR S7 OR S12 OR S19)
S29	4	IDPAT (sorted in duplicate/non-duplicate order)
S30	4	IDPAT (primary/non-duplicate records only)



7/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00563517 \*\*Image available\*\*

**SYSTEM FOR CHANGING THE VISUAL EFFECT OF A SUBSTRATE**  
**SYSTEME DESTINE A CHANGER L'EFFET VISUEL D'UN SUBSTRAT**

Patent Applicant/Assignee:

UBERTECH PRODUCTS INC,

Inventor(s):

HARRISON Donald G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200026890 A1 20000511 (WO 0026890)

Application: WO 99US25697 19991102 (PCT/WO US9925697)

Priority Application: US 98106656 19981102

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD  
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF  
CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 2680

Fulltext Availability:

Detailed Description

Detailed Description

... for corresponding visual effects. The graphics controller 75 provides the signals required for the individual **pixels** (such as the intensity and **color** signal), as

7

well as the **synchronization** signals for the **horizontal** and **vertical** lines of the **pixel** matrix.

In another embodiment, illustrated in Figure 7, the **activating** signal is transmitted to the control circuit 30 from an input device 55 coupled to

...

?

12/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00970383 \*\*Image available\*\*

**DIGITAL BEAM HOLOGRAPHIC DISPLAY SYSTEM**

**SYSTEME D'AFFICHAGE HOLOGRAPHIQUE A FAISCEAU NUMERIQUE**

Patent Applicant/Inventor:

SOLOMON Dennis, PO Box 289, Yarmouth Port, MA, US, US (Residence), US  
(Nationality)

Patent and Priority Information (Country, Number, Date):

Patent: WO 2002103456 A2-A3 20021227 (WO 02103456)

Application: WO 2002US18727 20020614 (PCT/WO US0218727)

Priority Application: US 2001298431 20010616; US 2001326585 20011002; US  
2001336267 20011023

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5600

Fulltext Availability:

Detailed Description

Detailed Description

... are projected from projector 120 which may be a high speed shutter array such as **FLCD** , deformable mirror, Texas Instruments DLP or arrays of LEDs, Lcos, FEDs, a scanned system or other such technology. The image columns .124A as transformed in **horizontal** line 124N by the transformation optics 126. As shown the column 124A is collimated by lens 1-28, rotated by dove **prism** 130, expanded by lens 132 and scanned vertically by scanner 34 onto screen 10 which may include a vertical expander in the form of a **horizontal** lenticular array, HOE or other similar optic 76. The

14/24

Digital Beam Holographic Display...

?

17/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00843265

**Stereoscopic display system**  
**Stereoskopisches Anzeigesystem**  
**Dispositif d'affichage stereoscopique**

PATENT ASSIGNEE:

THOMSON multimedia, (1090172), 46 quai A. Le Gallo, 92648 Boulogne Cedex,  
(FR), (Proprietor designated states: all)

INVENTOR:

Chikazawa, Yoshiharu, Shirahata-Minami-chou 34-B314, Kanagawa-ku,  
Yokohama 221, (JP)

LEGAL REPRESENTATIVE:

Ahrens, Thomas, Dipl.-Phys. et al (76682), Deutsche Thomson-Brandt GmbH,  
Licensing & Intellectual Property, Postfach 61 01 31, 30601 Hannover,  
(DE)

PATENT (CC, No, Kind, Date): EP 779531 A2 970618 (Basic)  
EP 779531 A3 991013  
EP 779531 B1 031203

APPLICATION (CC, No, Date): EP 96119334 961203;

PRIORITY (CC, No, Date): GB 9525308 951211

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G02B-027/22

ABSTRACT WORD COUNT: 1670

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	691
CLAIMS B	(English)	200349	217
CLAIMS B	(German)	200349	197
CLAIMS B	(French)	200349	233
SPEC A	(English)	EPAB97	3979
SPEC B	(English)	200349	1254
Total word count - document A			4671
Total word count - document B			1901
Total word count - documents A + B			6572

...SPECIFICATION polarizing device 42 is provided, which polarizes the light emanating from the pixels 21. On **top** of this polarizing device 42 rows of polarizing prisms 43 are provided, so that the **bottom** of each **prism** 43 covers one **row** of pixels 21. These polarizing prisms 43 form a polarizing **prism** sheet 44. The polarizing device 44 is controlled by a controller 45, whereas the display...

...SPECIFICATION a so-called mixed strip image, wherein pixels for the left and right image form **vertical** rows, respectively. As it is clear from the depicted rays of the respective pixels, right...

...their way to the left eye, wherein left image pixels 2 are blocked for the **right** eye. Further **it is clear** from Fig. 5, that using a parallax barrier 4 with a fixed pitch between the barrier strips results in a fixed **viewing** distance for the left and right eye LE, RE.

Figure 1 shows a stereoscopic display **system** using polarized **light** for creating the **stereoscopic** effect. On top of a flat panel display 1 consisting of pixels 21 a polarizing defice 42 is provided, which

polarizes the light emanating from the pixels 21. On top of this polarizing device 42 rows of polarizing prisms 43 are provided, so that the bottom of each prism 43 covers one row of pixels 21. These polarizing prisms 43 form a polarizing prism sheet 44. The polarizing device 44 is controlled by a controller 45, whereas the display 1 is controlled by a display controller 46. Both controllers...

...of rows of prisms 43 rests. In Figure 2 the left eye LE sees only the right side surface 48 of the polarizing prisms 43, whereas the right eye RE only sees the left side surface 49 of the polarizing prism. When the polarization direction of the...

...the right side surface 48 of the polarizing prism 43, the flat panel display displays left eye image. During this time the rays of the flat panel display 1 are not...

...the left side surface 49 of the polarizing prism 43, because the polarization direction of the polarizing device 42 is perpendicular to the polarization direction of the left side surface of the polarizing prism 43. After a moment the polarization direction of the polarizing device 42 is changed to the other direction and it is parallel to polarizing direction of the left side surface 49 of...

17/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00835197

Private stereoscopic display using lenticular lens sheet

Stereoskopische Privatanzeige mit lentikularer Linse

Dispositif d'affichage prive, stereoscopique a lentille lenticulaire

PATENT ASSIGNEE:

THOMSON multimedia, (1090172), 46 quai A. Le Gallo, 92648 Boulogne Cedex, (FR), (Proprietor designated states: all)

INVENTOR:

Chikazawa, Yoshiharu, Shirahata-Minami-chou 34-B314, Kanagawa-ku, Yokohama 221, (JP)

LEGAL REPRESENTATIVE:

Rossmann, Manfred, Dr. et al (86692), Deutsche Thomson-Brandt GmbH, Licensing & Intellectual Property, Karl-Wiechert-Allee 74, 30625 Hannover, (DE)

PATENT (CC, No, Kind, Date): EP 773462 A2 970514 (Basic)

EP 773462 A3 980325

EP 773462 B1 020417

APPLICATION (CC, No, Date): EP 96117593 961102;

PRIORITY (CC, No, Date): GB 9523189 951113

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G02B-027/22

ABSTRACT WORD COUNT: 163

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	400
CLAIMS B	(English)	200216	398
CLAIMS B	(German)	200216	382
CLAIMS B	(French)	200216	453

SPEC A	(English)	EPAB97	2123
SPEC B	(English)	200216	2136
Total word count	- document A		2523
Total word count	- document B		3369
Total word count	- documents A + B		5892

...SPECIFICATION 2 and 3 for the left and right image, which are arranged alternately in a **row**, so that a **column** consists of pixels for the left and right image, respectively, only. With this arrangement a so-called mixed stripe image is formed wherein the **columns** for left and right image alternate. A first lenticular lens sheet 4 is provided in front of the **flat panel display 1** to generate the stereoscopic effect. This first lenticular lens sheet 4 is followed by a **prism** array sheet 5 consisting of **prism** arrays oriented along the pixel **columns**. These **prism** arrays deflect the main lobe of the emanating light of the pixels to the viewing...

...in respect to the relative position of the pixel arrays to the middle of the **flat panel display**. Therefore in the middle of the **flat panel display 1** the prisms are degraded to a flat plate. On **top** of the **prism** array sheet 5 second lenticular lens sheet 6 is provided wherein the angle of the lens stripe vary as a function of the relative position to the middle of the **flat panel display 1**.

Fig. 2 shows a cross section of the stereoscopic display according to Fig. 1...

...SPECIFICATION 1 shows a perspective view of a stereoscopic display according to the invention with a **flat panel display 1** which incorporates the pixel plane consisting of pixels 2 and 3 for the left and right image, which are arranged alternately in a **row**, so that a **column** consists of pixels for the left and right image, respectively, only. With this arrangement a so-called mixed stripe image is formed wherein the **columns** for left and right image alternate. A first lenticular lens sheet 4 is provided in front of the **flat panel display 1** to generate the stereoscopic effect. This first lenticular lens sheet 4 is followed by a **prism** array sheet 5 consisting of **prism** arrays oriented along the pixel **columns**. These **prism** arrays deflect the main lobe of the emanating light of the pixels to the viewing...

...in respect to the relative position of the pixel arrays to the middle of the **flat panel display**. Therefore in the middle of the **flat panel display 1** the prisms are degraded to a flat plate. On **top** of the **prism** array sheet 5 second lenticular lens sheet 6 is provided wherein the angle of the lens stripe vary as a function of the relative position to the middle of the **flat panel display 1**.

Fig. 2 shows a cross section of the stereoscopic display according to Fig. 1...

17/3,K/3 (Item 3 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2004 European Patent Office. All rts. reserv.

00601625

Multiple-display sign device.

Mehrfachbilderanzeigevorrichtung.

Dispositif d'affichage a images multiples.

PATENT ASSIGNEE:

EVERBRITE INC, (1303610), 4949 South 110th Street, Post Office Box 20020,  
 Greenfield, Wisconsin 53220, (US), (applicant designated states:

DE;DK;FR;GB;IT)

INVENTOR:

Strawbridge, Jon P., 1146 W. Montclair Avenue, Glendale, WI 53217, (US)  
Fredricks, Mark A., 2101 N. Lily Road, Elm Grove, WI 53122, (US)

LEGAL REPRESENTATIVE:

Feakins, Graham Allan et al (48462), RAWORTH, MOSS & COOK RAWORTH HOUSE  
36 Sydenham Road, Croydon, Surrey CRO 2EF, (GB)

PATENT (CC, No, Kind, Date): EP 592208 A2 940413 (Basic)

EP 592208 A3 950614

APPLICATION (CC, No, Date): EP 93307949 931006;

PRIORITY (CC, No, Date): US 957719 921007

DESIGNATED STATES: DE; DK; FR; GB; IT

INTERNATIONAL PATENT CLASS: G09F-011/02;

ABSTRACT WORD COUNT: 215

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1172
SPEC A	(English)	EPABF2	3572
Total word count - document A			4744
Total word count - document B			0
Total word count - documents A + B			4744

...CLAIMS scene.

5. A device for displaying a plurality of scenes in sequence, comprising:

a first **horizontally** disposed plate member having a **row** of equally spaced apart openings, and one end of a light transmissible tube releasably inserted...

...correspondingly spaced apart, have their axes in parallelism and all axes lie in the same **vertical** plane

an elongated light source in each light transmissible tube,  
a plurality of display units, each **display** unit comprising three **thin** transparency panels constituting a triangular **prism** having opposite open ends, a pair of adapter elements each having three corresponding sides arranged in triangular configuration for fitting into said opposite open ends of the triangular **prism**, the adapter elements having an opening to provide for the display units to rotate about...

...maintaining said corresponding transparency panels that represent portions of the same scene in each triangular **prism** in fixed rotational angular relationship such that when panels of the triangular prisms representing portions...

...scene are rotated to contiguous coplanar relationship said scene is composed for visualization,

a second **horizontally** disposed plate member having openings for fitting, respectively, onto the other ends of said light...

17/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00401922

Prismatic illuminator for flat panel display

Prismatische Beleuchtungseinrichtung fur flachen Bildschirm

**Dispositif d'eclairage prismatique pour un ecran d'affichage plat**

**PATENT ASSIGNEE:**

GENERAL ELECTRIC COMPANY, (203903), 1 River Road, Schenectady, NY 12345,  
(US), (Proprietor designated states: all)

**INVENTOR:**

Henkes, John Lawrence, 9 Henkes Road, Latham, New York 12110, (US)

**LEGAL REPRESENTATIVE:**

Goode, Ian Roy et al (31098), London Patent Operation General Electric  
International, Inc. Essex House 12-13 Essex Street, London WC2R 3AA,  
(GB)

PATENT (CC, No, Kind, Date): EP 402146 A2 901212 (Basic)  
EP 402146 A3 910306  
EP 402146 B1 000913

APPLICATION (CC, No, Date): EP 90306219 900607;

PRIORITY (CC, No, Date): US 363645 890608

DESIGNATED STATES: DE; FR; GB; NL

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 987672 (EP 99120006)

INTERNATIONAL PATENT CLASS: G09F-009/35; G02F-001/1335

ABSTRACT WORD COUNT: 105

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200037	367
CLAIMS B	(German)	200037	317
CLAIMS B	(French)	200037	370
SPEC B	(English)	200037	1630
Total word count - document A			0
Total word count - document B			2684
Total word count - documents A + B			2684

**17/3,K/5 (Item 5 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00997791 \*\*Image available\*\*

**FLAT-PANEL PROJECTION DISPLAY**

**AFFICHAGE PAR PROJECTION A ECRAN PLAT**

**Patent Applicant/Assignee:**

CAMBRIDGE 3D DISPLAY LIMITED, 26 Faroe Road, London W14 OEP, GB, GB  
(Residence), GB (Nationality), (For all designated states except: US)

**Patent Applicant/Inventor:**

TRAVIS Adrian Robert Leigh, Wrangaton House, Wrangaton, South Devon TQ10  
9HH, GB, GB (Residence), GB (Nationality), (Designated only for: US)

**Legal Representative:**

GIBBS Christopher Stephen (agent), Haseltine Lake & Co, Imperial House,  
19-19 Kingsway, London WC2B 6UD, GB,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200327754 A1 20030403 (WO 0327754)

Application: WO 2001GB4269 20010925 (PCT/WO GB0104269)

Priority Application: WO 2001GB4269 20010925

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 6860

Fulltext Availability:  
Detailed Description

Detailed Description

... reference to the accompanying drawings, in which.

Figure 1 illustrates a mirror angled to reflect **vertically** incident light through 90°, representing background to the invention;  
Figure 2 illustrates a series of...

...injected into the waveguide and the periodicity of the grating;

Figure 4 illustrates a **flat** -panel projection **display** embodying the invention;

Figure 5 illustrates a **flat** -panel projection **display** with a large screen, the image being -magnified from a microprojector;

Figure G illustrates a...

...the viewer so as to address the viewer's peripheral vision;

Figure 8 illustrates a **row** -and-colu-mn-multiplexed **flat** -panel projection **display** ;

Figure 9 shows a **prism** can convert in-plane variations in the ...in ray direction (ktransverse) ;

Figure 10 shows how prisms can be used to fold a **flat** -panel projection **display** ;

Figure 11 is a blown-up view of a folded **row** -and' **column** -multiplexed **flat** -panel projection **display** ;

Figure 12 is a compact view of a folded **row** -and **column** -multiplexed **flat** -panel projection **display** and shows how the liquid-crystal display is at 45° to the plane of the flat panel;

Figure 13 illustrates a **flat** -panel three dimensional **display** ;

Figure 14 illustrates **flat** -panel illumination of a three-dimensional display using a

17/3,K/6 (Item 6 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00475256

**GLANCING ANGLE DEPOSITION OF THIN FILMS**  
**DEPOT DE MINCES FILMS AVEC ANGLE DE REFLEXION**

Patent Applicant/Assignee:

THE GOVERNORS OF THE UNIVERSITY OF ALBERTA INDUSTRY LIAISON OFFICE,  
ROBBIE Kevin J,  
BRETT Michael J,

Inventor(s):

ROBBIE Kevin J,  
BRETT Michael J,

Patent and Priority Information (Country, Number, Date):



Patent: WO 9906608 A1 19990211  
Application: WO 98CA730 19980729 (PCT/WO CA9800730)  
Priority Application: US 97903295 19970730; CA 2237732 19980514  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 8984

Fulltext Availability:  
Claims

#### Claim

... N) of turns to be made by  
the motor 26, the tooling factor (ratio of **vertical** film  
growth rate to measured deposition rate), an initial  
deposition rate estimate, an initial angle...azimuthal rotation rate of  
the  
<@substrate is plotted against time for the case when the  
**column** forms a sinusoidally varying structure as  
illustrated in Fig. 7C. Times corresponding to points T1...

...periods of rotation,  
illustrated by the time segments 52, spinning growth  
occurs, resulting in the **vertical column** segments 58 shown  
in Fig. 7C. The width of the time segments 52 corresponds  
to...

...the substrate  
continues to be exposed to vapor flux (paused growth),  
resulting in the slanted **column** segments 59. The period  
SUBSTITUTE SHEET (RULE 26)  
between the time segments 52 continually decreases...

...rotation and the pause position  
switches from the one side to another such that the **column**  
begins to grow in a different direction. The half-rotation  
at T3 corresponds to altering...

...as illustrated by the arrows C and D in Fig. 7C. In this  
manner, the **column** angle  $\theta$  varies with distance (measured  
perpendicularly) from the substrate. **Column** segments  
deposited at the same time across a substrate form a layer  
of a thin...a rotation of about  $360^\circ$   
no, which results in an offset growth direction for the  
**columns** of thin films at an angle that is determined by the  
azimuthal angle of...

...slower rotation (centered about times T2) for another half  
a rotation are illustrated. The corresponding **columnar**  
growth is shown in Fig. 7E, showing the positions on the  
**column** 90 corresponding to the times T1 and T2.  
It is believed on reasonable grounds that the  
process will work with any **column** forming depositable  
material. Depositable material is **column** forming when it  
exhibits limited adatom diffusion and a sufficiently high  
sticking factor that structures...

...the case of MgF2 thin film formed on a  
is silicon substrate, with S shaped **columns** , the substrate  
need not be heated, but the substrate temperature will rise  
to about 1000C...

...26)  
during deposition. The axial rotation is rapid during the  
deposition (spinning growth), generating a **vertical** porous  
**columnar** structure and eliminating the helical **columnar**  
structure produced by conventional application of ...to the  
distance from the substrate, as illustrated in Fig. 13. In  
Fig. 13, the **columns** 80 are grown from a substrate 10 with  
rapid spinning throughout. As the polar angle  $\theta$  is varied,  
the **columns** 80 produce layers of greater density as shown  
at 82 and lower density as shown...

...of air was found to predict  
accurately the effective refractive index as measured with  
a **prism** coupler.  
As an example, a film with a sinusoidal variation  
-of refractive index, the tilt...

...51o and 81o during deposition. The  
axial rotation is rapid during the deposition, generating  
a **vertical** porous **columnar** structure and eliminating the  
helical **columnar** structure produced for other applications  
of GLAD. This deposition process has been used to produce...illustrated  
in Fig. 12. Vapor  
deposited material extends in distinct (separate from one  
another) helical **columns** 70 from an electrode 72 lying on  
substrate 10. Electrode 72 may also be located on the other  
SUBSTITUTE SHEET (RULE 26)  
side of substrate 10. The distinct helical **columns** 70  
terminating distally from the substrate 10 in a region of  
denser material forming a cap 74 for the helical **columns** .  
The cap 74 may be produced by changing the angle of  
incidence of the flux...

...substrate surface), or, it is believed on reasonable  
grounds that, the deposition of the helical **columns** may be  
ended under conditions giving rise to a higher diffusion  
length, as for example...

...be required to create  
conditions of high diffusion length.  
As shown in Fig. 12, plural **top** electrodes 77 may  
extend in parallel strips across the **top** of the cap layer  
74 or a single electrode may be formed as a single plate on  
the **top** of the cap, or the cap may be formed of  
electrically conducting material to act...

...catalyst  
supports, thermal barrier coatings on high temperature  
cycling parts such as jet turbine blades, **flat** panel  
**displays** , thermoelectric cooling panels, solar absorbers,  
adhesive surfaces, electron emitters, tactile sensing for  
SUBSTITUTE SHEET (RULE...

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00263686      \*\*Image available\*\*

**HEAD MOUNTED VIDEO DISPLAY SYSTEM WITH PORTABLE VIDEO INTERFACE UNIT**  
**SYSTEME DE PRESENTATION D'INFORMATIONS VIDEO FIXE SUR LE FRONT AVEC UNITE**  
**D'INTERFACE VIDEO PORTATIVE**

Patent Applicant/Assignee:

VIRTUAL VISION INC,

Inventor(s):

KUENSTER Gordon B,

PACE John W,

SHANKLE Steven J,

SHIMASAKI Kevin W,

RIVERA Fredrick W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9411855 A1 19940526

Application: WO 93US9911 19931015 (PCT/WO US9309911)

Priority Application: US 92973155 19921106; US 92986422 19921204

Designated States: AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK

LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA AT BE CH DE DK ES FR GB GR

IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 15978

Fulltext Availability:

Detailed Description

Detailed Description

... housing 220 supports a thin profile

display mounted as shown in Fig, 14 on a **bottom**  
surface 234 of the housing 220, The display 236 may  
for example take the form...

...depicted on the display 236 directly

therefrom such that no optics such as the.900 **prism**  
are needed to be disposed between the display and  
the mirror. It is noted, that...a  
frame.300 that extends from one side of the user's  
head over the **top** of the head to the other side  
thereof, A first bracket 302 extends from the...

...thereof the display

wherein an LCD display 236 or the like is mounted on  
a **bottom** surface 306 of the projection 304. A  
second bracket 310 also extends from the frame...

...310, The viewing mirror 315 is mounted on the  
support 312 so as to be **vertically** aligned with the  
display 306. The mirror support 312 is rotatable so  
as to allow...

?

22/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00921286 \*\*Image available\*\*

**INFRARED AUDIO-VIDEO INTERFACE FOR HEAD-MOUNTED DISPLAY**  
**INTERFACE AUDIO-VIDEO A INFRAROUGE DESTINEE A UN AFFICHEUR MONTE SUR LA**  
**TETE**

Patent Applicant/Assignee:

OPTIMIZE INCORPORATED, 420 Blossom Hill Road, Los Gatos, CA 95032, US, US  
(Residence), US (Nationality)

Inventor(s):

HEBERT Raymond T, 17550 Old Summit Road, Los Gatos, CA 95033, US,  
HEMPSON Kevin R, 17350 Locust Drive, Los Gatos, CA 95033, US,

Legal Representative:

STEUBER David E (et al) (agent), Skjerven Morrill MacPherson LLP, 25  
Metro Drive, Suite 700, San Jose, CA 95110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200254959 A2-A3 20020718 (WO 0254959)

Application: WO 2002US157 20020103 (PCT/WO US0200157)

Priority Application: US 2001756648 20010103

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12711

Main International Patent Class: H04N-007/01

Fulltext Availability:

Detailed Description

Detailed Description

... 2A) into a stream suitable for transmission over a wireless link. In addition to serialization, pixel data serializer 170 inserts video synchronization information to define horizontal, vertical, and color syncs. Pixel data serializer 170 converts the parallel digital pixel color data into amplitude modulated signals using conventional digital to analog converters (DAC's). It then...

22/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00769850 \*\*Image available\*\*

**A METHOD AND APPARATUS FOR CORRECTING CONVERGENCE AND GEOMETRY ERRORS IN**  
**DISPLAY DEVICES**

**PROCEDE ET APPAREIL DE CORRECTION D'ERREURS DE CONVERGENCE ET DE GEOMETRIE**  
**DANS DES DISPOSITIFS D'AFFICHAGE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

PRONKINE Viatcheslav, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL

Legal Representative:

GROENENDAAL Antonius W M, Internationaal Octrooibureau B.V., Prof.  
Holstlaan 6, NL-5656 AA Eindhoven, NL

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103420 A1 20010111 (WO 0103420)  
Application: WO 2000EP5913 20000626 (PCT/WO EP0005913)  
Priority Application: US 99343907 19990630

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 2455

Main International Patent Class: H04N-003/233

International Patent Class: H04N-009/28

Fulltext Availability:

Detailed Description

Detailed Description

... count input connected to the output of the clock signal generator 16 for counting the **pixels** in the input **color** signal. A reset input of the **pixel** counter 38 is coupled to receive the **horizontal synchronizing** signal from the **synchronization** signal separation circuit 14. The **horizontal synchronizing** signal is further applied to the count input of a line counter 40 which is reset by the **vertical synchronizing** signal, again from the **synchronization** signal separation circuit 14. The output from the **pixel** counter 38 is the intended **horizontal** position of the corresponding **pixel** in the input **color** signal, while the output from the line counter 40 is the intended **vertical** position of the corresponding pixel in the input color signal. The outputs from the pixel...

22/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00483588 \*\*Image available\*\*

MICROBUFFER USED IN SYNCHRONIZATION OF IMAGE DATA

MICRO-MEMOIRE TAMPON UTILISEE POUR LA SYNCHRONISATION DE DONNEES D'IMAGE

Patent Applicant/Assignee:

MICROSOFT CORPORATION,

Inventor(s):

FRIES Robert M,

KEAM Nigel S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9914940 A1 19990325

Application: WO 98US18190 19980901 (PCT/WO US9818190)

Priority Application: US 97928277 19970912

Designated States: CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 11003

Main International Patent Class: H04N-005/262

Fulltext Availability:

Detailed Description

Detailed Description

... 76, NTSC

decoder 100, and NTSC encoder 108. NTSC decoder 100 provides video data

and **synchronization** ( **horizontal** and **vertical** timing) data to DCE 76. The video data includes digitized **color** data for each **pixel** in successive odd numbered scan lines, followed by the digitized **color** data for each **pixel** in successive even numbered lines. The **synchronization** signals include an input clock signal **synchronized** to the source of the video data, an input **horizontal** sync signal, and an input odd **vertical** sync signal. Since the input odd **vertical** sync controls the timing for the display of scan lines of an image that start ...

22/3,K/4 (Item 4 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00409497 \*\*Image available\*\*

**SYSTEM AND METHOD FOR OVERLAY OF A MOTION VIDEO SIGNAL ON AN ANALOG VIDEO SIGNAL**

**SYSTEME ET METHODE D'INCRUSTATION D'UN SIGNAL VIDEO ANIME DANS UN SIGNAL VIDEO ANALOGIQUE**

Patent Applicant/Assignee:

SONY ELECTRONICS INC,

Inventor(s):

CHAMPION Mark,

BESSEL David,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9750242 A2 19971231

Application: WO 97US11488 19970626 (PCT/WO US9711488)

Priority Application: US 9620555 19960626; US 9631664 19961121; US 9631663 19961121

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH KE

LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB

GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 17913

Main International Patent Class: H04N-009/475

International Patent Class: H04N-05:04 ...

... H04N-05:46 ...

... H04N-09:74

Fulltext Availability:

Claims

Claim

... and processing a motion video signal having video timing parameters into a signal having an **RGB** format; a video format analyzer and **synchronizer** device for receiving from said computer an analog **RGB** signal having **horizontal** and **vertical** video timing parameters and an original **pixel** clock, and for determining said **horizontal** and **vertical** video timing parameters of said analog **RGB** signal, and for controlling said video timing parameters...in said multiplexer control mask memory and thus the sourcing of said preselected number of **pixels** of said analog **RGB** signal or said **synchronized** motion video signal to said display.

47

. A video format analyzing and **synchronizing** device for receiving an

analog signal having a plurality of video timing parameters of unknown format from an analog source, including **horizontal** and **vertical** sync time and active video time, and for receiving a motion video signal having a...

22/3,K/5 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00336479 \*\*Image available\*\*

**MULTIMEDIA OVERLAY SYSTEM FOR GRAPHICS AND VIDEO**  
**SYSTEME DE RECOUVREMENT MULTIMEDIA POUR GRAPHIQUES ET VIDEO**

Patent Applicant/Assignee:

AURAVISION CORPORATION,

Inventor(s):

KING Sherman T,

LEE Tommy C,

WANG Niantso,

CHU Yen-Fah,

KIMURA Scott A,

HWANG Guorjuh,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9618991 A1 19960620

Application: WO 95US15610 19951212 (PCT/WO US9515610)

Priority Application: US 94187 19941212; US 94296 19941212; US 94190  
19941212; US 94188 19941212

Designated States: AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE

HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO

RU SD SE SG SI SK TJ TM TT UA UG UZ VN KE .LS MW SD SZ UG AT BE CH DE DK

ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD

TG

Publication Language: English

Fulltext Word Count: 12684

...International Patent Class: H04N-09:74 ...

... H04N-09:75

Fulltext Availability:

Detailed Description

Detailed Description

... clocked

using a local clock 56 residing on card 54. The clock

56 generates the **RGB pixel** clock along with the

**vertical** and **horizontal synchronization** pulses

necessary to control the raster scanning of monitor 58.

This conventional VGA card contains...

22/3,K/6 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00307958 \*\*Image available\*\*

**COLOR SEQUENTIAL DISPLAY PANELS**

**ECRAN PLAT COULEUR A AFFICHAGE SEQUENTIEL**

Patent Applicant/Assignee:

KOPIN CORPORATION,

Inventor(s):

ZAVRACKY Matthew,  
CHERN Wen-Foo,  
RICHARD Alan,  
GALE Ronald,  
SPITZER Mark B,  
SALERNO Jack P,  
RONZANI Peter A,  
POMBO Stephen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9526110 A1 19950928  
Application: WO 95US3670 19950323 (PCT/WO US9503670)  
Priority Application: US 94216817 19940323

Designated States: CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 16379

Main International Patent Class: H04N-009/30

Fulltext Availability:

Detailed Description

Detailed Description

... capture/play signal. The multiplexers 630R, 630G, 630B  
input 8-bit color data into an RGB multiplexer 640.

The RGB multiplexer 640 is operated under control of  
a timing signal generated at three times the **vertical**  
**synchronization** signal (VSync). A phase lock loop (PLL)  
690 generates **pixel** clocks (Pclk) coherent-with the  
**horizontal** synchronization signal (HSync) at three times  
the original input rate. The output from the PLL 690...

22/3,K/7 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00281828 \*\*Image available\*\*

DISPLAY SYSTEM FOR A SUBSCRIBER TERMINAL

SYSTEME D'AFFICHAGE POUR POSTE DE TELEVISION D'ABONNE

Patent Applicant/Assignee:

SCIENTIFIC-ATLANTA INC,

Inventor(s):

BANKER Robert O,  
ITH Cham,  
BACON Kinney C,  
BURLESON David B,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9430008 A1 19941222  
Application: WO 94US6340 19940606 (PCT/WO US9406340)  
Priority Application: US 93404 19930607

Designated States: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG

KP KR KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA

UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM

GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 16456

Main International Patent Class: H04N-005/262

International Patent Class: H04N-05:272 ...

... H04N-05:278



Fulltext Availability:  
Claims

Claim

... loop circuit.

27 The display system according to claim 24, said display generating means having:

**synchronization** circuit means for generating a first horizontal synchronization signal, a vertical synchronization ...a horizontal blanking timing, and a vertical blanking timing in accordance with said first horizontal **synchronization** signal, said vertical **synchronization** signal, said **pixel** number signal, and said line number signal; and

**pixel** generation circuit means for receiving said video mode signal from said **synchronization** circuit means and for converting said symbol data and said graphics data to said **pixel** data according to said video mode signal.

28 The display system according to claim 27 further comprising means for synthesizing a second horizontal synchronization signal synchronized with a **horizontal** synchronization pulse of said second video signal, wherein said synchronization circuit means synchronizes said first **horizontal** synchronization signal, said vertical synchronization signal, said **pixel** number signal, and said line number signal with said second **horizontal synchronization** signal.

29 The display system according to claim 27, said **synchronization** circuit means having a **pixel** counter and a **horizontal** line counter.

30 The display system according to claim 27, said **pixel** generation circuit means having means for detecting when said pixel data represents a transparent **color** and for controlling said video processing means to select said second video signal when said...

22/3,K/8 (Item 8 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00239361

METHOD AND APPARATUS FOR MERGING VIDEO DATA SIGNALS FROM MULTIPLE SOURCES  
AND MULTIMEDIA SYSTEM INCORPORATING SAME  
PROCEDE ET APPAREIL SERVANT A FUSIONNER DES SIGNAUX DE DONNEES VIDEO  
PROVENANT DE SOURCES MULTIPLES, ET SYSTEME MULTIMEDIA INTEGRANT UN TEL  
SYSTEME

Patent Applicant/Assignee:  
TANDY CORPORATION,

Inventor(s):

WAKELAND Carl K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9313627 A1 19930708

Application: WO 92US5488 19920630 (PCT/WO US9205488)

Priority Application: US 92985 19920102

Designated States: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU  
MG MN MW NL NO PL RO RU SD SE AT BE CH DE DK ES FR GB GR IT LU MC NL SE  
BF BJ CF CG CI CM GA GN ML MR SN TD TG

Publication Language: English

Fulltext Word Count: 7787

Main International Patent Class: H04N-009/74

International Patent Class: H04N-05:262 ...

... H04N-05:272

Fulltext Availability:

Detailed Description

Detailed Description

... that a

merged video image may be produced by the multimedia system 2.

The analog RGB video signals are then transmitted to a NTSC/PAL encoder and modulator 42 which, under the control of the VGA pixel clock (or "CLK") signal and horizontal and vertical synchronizing (or "KSYNC and VSYNC") signals from the VGA controller 32, modulates the received RGB video signals into a form suitable for display by the video display component of television...

22/3,K/9 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00217948 \*\*Image available\*\*

METHOD AND APPARATUS FOR ENCODING AND DECODING A DIGITAL MOTION VIDEO SIGNAL

PROCEDE ET APPAREIL POUR CODER ET DECODER UN SIGNAL VIDEO ANIME NUMERIQUE

Patent Applicant/Assignee:

INTEL CORPORATION,

Inventor(s):

GOLIN Stuart J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9215173 A1 19920903

Application: WO 92US1229 19920213 (PCT/WO US9201229)

Priority Application: US 91708 19910219

Designated States: AT AT AU BB BE BF BG BJ BR CA CF CG CH CH CI CM DE DE DK

DK ES FI FR GA GB GB GN GR HU IT JP KP KR LK LU LU MC MG ML MR MW NL NL

NO RO RU SD SE SE SN TD TG

Publication Language: English

Fulltext Word Count: 33682

Main International Patent Class: H04N-007/12

International Patent Class: H04N-07:13 ...

... H04N-09:79 ...

... H04N-05:91

Fulltext Availability:

Detailed Description

Detailed Description

... an intermediate stage of

precompression processing in which the composite signal has been decoded to RGB component form, stripped of

synchronizing and blanking intervals and digitized to form RGB picture element ( pixel ) arrays representing them "active" video portion of each RGB field. The array

dimensions, as illustrated, are 512 pixels **horizontally** by 240 pixels **vertically** for each RGB component.

FIGURE 5 illustrates the final stage of pre-compression processing in...

22/3,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00156791

**DIGITAL VIDEO COMPRESSION SYSTEM**  
**SYSTEME DE COMPRESSION VIDEO NUMERIQUE**

Patent Applicant/Assignee:

TECHNOLOGY INC 64,

Inventor(s):

GOLIN Stuart Jay,

SIMON Allen Henry,

ASTLE Brian,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8903159 A2 19890406

Application: WO 88US3329 19880929 (PCT/WO US8803329)

Priority Application: US 87457 19871005

Designated States: AT AU BE CH DE FR GB IT JP KR LU NL SE

Publication Language: English

Fulltext Word Count: 28969

Main International Patent Class: H04N-009/80

International Patent Class: H04N-07:137

Fulltext Availability:

Detailed Description

Detailed Description

... an intermediate stage of precompression processing in which the composite signal has been decoded to **RGB** component form, stripped of **synchronizing** and blanking intervals and digitized to form **RGB picture element ( pixel )** arrays representing the "active" video portion of each **RGB** field. The array dimensions, as illustrated, are 512 pixels **horizontally** by pixels **vertically** for each RGB component

FIGURE 5 illustrates the final stage of pre-compression processing in...

22/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00156790

**DIGITAL VIDEO DECOMPRESSION SYSTEM**  
**SYSTEME DE DECOMPRESSION DE SIGNAUX VIDEO NUMERIQUES**

Patent Applicant/Assignee:

TECHNOLOGY INC 64,

Inventor(s):

KEITH John Michael,

GOLIN Stuart Jay,

SIMON Allen Henry,

ASTLE Brian,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 8903158 A1 19890406  
Application: WO 88US3328 19880929 (PCT/WO US8803328)  
Priority Application: US 87131 19871005  
Designated States: AT AU BE CH DE FR GB IT JP KR LU NL SE  
Publication Language: English  
Fulltext Word Count: 26143

Main International Patent Class: H04N-009/80  
International Patent Class: H04N-07:137  
Fulltext Availability:  
Detailed Description

Detailed Description

... an intermediate stage of  
precompression, processing in which the composite signal has  
been decoded to RGB component form,, stripped of  
synchronizing and blanking intervals and digitized to form  
RGB picture element ( pixel ) arrays representing the  
"active" video portion of each RGB field. The array  
dimensionsf as illustrated, are 512 pixels horizontally by  
240: pixels vertically for each RGB component.

FIGURE 5 illustrates the final stage of  
pre-compression processing in...

22/3,K/12 (Item 12 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00156789

**DIGITAL VIDEO TRANSMISSION SYSTEM**  
**SYSTEME DE TRANSMISSION VIDEO NUMERIQUE**

Patent Applicant/Assignee:

TECHNOLOGY INC 64,

Inventor(s):

WAN Suz Hsi,  
SIMON Allen Henry,  
GOLIN Stuart Jay,  
ASTLE Brian,  
KEITH John Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8903157 A2 19890406  
Application: WO 88US3327 19880929 (PCT/WO US8803327)  
Priority Application: US 87456 19871005

Designated States: AT AU BE CH DE FR GB IT JP KR LU NL SE  
Publication Language: English  
Fulltext Word Count: 26712

Main International Patent Class: H04N-009/80  
International Patent Class: H04N-07:137  
Fulltext Availability:  
Detailed Description

Detailed Description

... an intermediate stage of  
precompression processing in which the composite signal has  
been decoded to RGB component form, stripped of

synchronizing and blanking intervals and digitized to form RGB picture element ( pixel ) arrays representing the "active" video portion of each RGB field. The array dimensions, as illustrated, are 512 pixels horizontally by pixels vertically for each RGB component

FIGURE 5 illustrates the final stage of pre-compression processing in...

?

26/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00835197

Private stereoscopic display using lenticular lens sheet

Stereoskopische Privatanzeige mit lentikularer Linse

Dispositif d'affichage prive, stereoscopique a lentille lenticulaire

PATENT ASSIGNEE:

THOMSON multimedia, (1090172), 46 quai A. Le Gallo, 92648 Boulogne Cedex,  
(FR), (Proprietor designated states: all)

INVENTOR:

Chikazawa, Yoshiharu, Shirahata-Minami-chou 34-B314, Kanagawa-ku,  
Yokohama 221, (JP)

LEGAL REPRESENTATIVE:

Rossmannith, Manfred, Dr. et al (86692), Deutsche Thomson-Brandt GmbH,  
Licensing & Intellectual Property, Karl-Wiechert-Allee 74, 30625  
Hannover, (DE)

PATENT (CC, No, Kind, Date): EP 773462 A2 970514 (Basic)  
EP 773462 A3 980325  
EP 773462 B1 020417

APPLICATION (CC, No, Date): EP 96117593 961102;

PRIORITY (CC, No, Date): GB 9523189 951113

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G02B-027/22

ABSTRACT WORD COUNT: 163

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	400
CLAIMS B	(English)	200216	398
CLAIMS B	(German)	200216	382
CLAIMS B	(French)	200216	453
SPEC A	(English)	EPAB97	2123
SPEC B	(English)	200216	2136
Total word count - document A			2523
Total word count - document B			3369
Total word count - documents A + B			5892

...SPECIFICATION stereoscopic display according to the invention with a flat panel display 1 which incorporates the **pixel** plane consisting of **pixels** 2 and 3 for the left and right image, which are arranged alternately in a **row**, so that a **column** consists of **pixels** for the left and right image, respectively, only. With this arrangement a so-called mixed stripe image is formed wherein the **columns** for left and right image alternate. A first lenticular lens sheet 4 is provided in front of the **flat panel display** 1 to generate the stereoscopic effect. This first lenticular lens sheet 4 is followed by a **prism** array sheet 5 consisting of **prism** arrays oriented along the **pixel columns**. These **prism** arrays deflect the main lobe of the emanating light of the **pixels** to the viewing point for the right and left image, respectively. As can be seen...

...1 the angle of the prisms vary in respect to the relative position of the **pixel** arrays to the middle of the **flat panel display**. Therefore in the middle of the **flat panel display** 1 the prisms are degraded to a flat plate. On **top** of the **prism** array sheet 5 second lenticular

lens sheet 6 is provided wherein the angle of the lens stripe vary as a function of the relative position to the middle of the flat panel display 1.

Fig. 2 shows a cross section of the stereoscopic display according to Fig. 1...

...SPECIFICATION stereoscopic display according to the invention with a flat panel display 1 which incorporates the pixel plane consisting of pixels 2 and 3 for the left and right image, which are arranged alternately in a row, so that a column consists of pixels for the left and right image, respectively, only. With this arrangement a so-called mixed stripe image is formed wherein the columns for left and right image alternate. A first lenticular lens sheet 4 is provided in front of the flat panel display 1 to generate the stereoscopic effect. This first lenticular lens sheet 4 is followed by a prism array sheet 5 consisting of prism arrays oriented along the pixel columns. These prism arrays deflect the main lobe of the emanating light of the pixels to the viewing point for the right and left image, respectively. As can be seen...

...1 the angle of the prisms vary in respect to the relative position of the pixel arrays to the middle of the flat panel display. Therefore in the middle of the flat panel display 1 the prisms are degraded to a flat plate. On top of the prism array sheet 5 second lenticular lens sheet 6 is provided wherein the angle of the lens stripe vary as a function of the relative position to the middle of the flat panel display 1.

Fig. 2 shows a cross section of the stereoscopic display according to Fig. 1...

26/3,K/2 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00263686 \*\*Image available\*\*

HEAD MOUNTED VIDEO DISPLAY SYSTEM WITH PORTABLE VIDEO INTERFACE UNIT  
SYSTEME DE PRESENTATION D'INFORMATIONS VIDEO FIXE SUR LE FRONT AVEC UNITE  
D'INTERFACE VIDEO PORTATIVE

Patent Applicant/Assignee:

VIRTUAL VISION INC,

Inventor(s):

KUENSTER Gordon B,

PACE John W,

SHANKLE Steven J,

SHIMASAKI Kevin W,

RIVERA Fredrick W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9411855 A1 19940526

Application: WO 93US9911 19931015 (PCT/WO US9309911)

Priority Application: US 92973155 19921106; US 92986422 19921204

Designated States: AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK

LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA AT BE CH DE DK ES FR GB GR

IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 15978

Fulltext Availability:

Detailed Description

Detailed Description

... housing 220 supports a thin profile display mounted as shown in Fig, 14 on a **bottom** surface 234 of the housing 220, The display 236 may for example take the form...

...a display screen size of approximately 11mm by 14.4mm for depicting 244 by 428 **pixels** . With such a display 236, the mirror 23D may receive the video...

...depicted on the display 236 directly therefrom such that no optics such as the .900 **prism** are needed to be disposed between the display and the mirror. It is noted, that...a frame 300 that extends from one side of the user's head over the **top** of the head to the other side thereof, A first bracket 302 extends from the... thereof the display wherein an LCD display 236 or the like is mounted on a **bottom** surface 306 of the projection 304. A second bracket 310 also extends from the frame...

...310, The viewing mirror 315 is mounted on the support 312 so as to be **vertically** aligned with the display 306. The mirror support 312 is rotatable so as to allow...

?



30/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01412930

**FLEXIBLE FLAT COLOR DISPLAY**

**ECRAN COULEUR PLAT SOUPLE**

PATENT ASSIGNEE:

Sony Electronics Inc., (1360226), One Sony Drive, Park Ridge, New Jersey  
07656, (US), (Applicant designated States: all)

INVENTOR:

OTA, Takaaki , 11572 Windcrest Lane 1513, San Diego, CA 92128, (JP)  
PATENT (CC, No, Kind, Date):

WO 2002010809 020207

APPLICATION (CC, No, Date): EP 2001955878 010720; WO 2001US22839 010720

PRIORITY (CC, No, Date): US 632020 000802

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G02B-006/00; G02B-006/04

LANGUAGE (Publication,Procedural,Application): English; English; English

**FLEXIBLE FLAT COLOR DISPLAY**

INVENTOR:

OTA, Takaaki ...

30/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01293068

**DRIVE TECHNIQUE FOR STARTING LIQUID CRYSTAL DEVICE**

**ANSTEUERUNGSTECHNIK FUR DAS EINSCHALTEN EINER FLUSSIGKRISTALLVORRICHTUNG**

**TECHNIQUE DE COMMANDE POUR LE DEMARRAGE D'UN APPAREIL A CRISTAUX LIQUIDES**

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,  
Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)

INVENTOR:

NAKAMURA, Mika, 14-20-303, Koriencho, Hirakata-shi, Osaka 573-0086, (JP)

ADACHI, Katsumi, 7-8-10, Mamigaoka, Kashiba-shi, Nara 639-0223, (JP)

KAWASAKI, Kiyohiro , 1-8-3, Kuzuhanamiki, Hirakata-shi, Osaka 573-1118,  
(JP)

HATTORI, Katsuji, 1-16-4, Tsukimiyama, Takarazuka-shi, Hyogo 665-0002,  
(JP)

LEGAL REPRESENTATIVE:

Dempster, Benjamin John Naftel et al (62251), Withers & Rogers, Goldings  
House, 2 Hays Lane, London SE1 2HW, (GB)

PATENT (CC, No, Kind, Date): EP 1148375 A1 011024 (Basic)

WO 200129612 010426

APPLICATION (CC, No, Date): EP 2000969911 001019; WO 2000JP7291 001019

PRIORITY (CC, No, Date): JP 99296329 991019; JP 99344477 991203; JP

200030046 000208; JP 2000114870 000417; JP 2000129146 000428

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G02F-001/137; G02F-001/133

ABSTRACT WORD COUNT: 97

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200143	4857
SPEC A	(English)	200143	19848
Total word count - document A			24705
Total word count - document B			0
Total word count - documents A + B			24705

INVENTOR:

... JP)  
KAWASAKI, Kiyohiro ...

...SPECIFICATION terms of which the cathode ray tube is not desirable for the demand for a **thin** -profile **TV** . The liquid crystal display device is being thought of as an answer to the demand...

...wide viewing angle and the demands for the enlargement of screen, to provide a big **screen display** with **thin** -profile and low power consumption, as compared with the cathode ray tube.  
The devices using...

30/3,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00537058

Method of manufacturing a colour filter  
Verfahren zur Herstellung eines Farbfilters  
Procede pour produire un filtre colore  
PATENT ASSIGNEE:

SEIKO INSTRUMENTS INC., (839490), 31-1, Kameido 6-chome Koto-ku, Tokyo 136, (JP), (applicant designated states: DE;FR;GB;IT;NL)  
SHINTO CHEMITRON Co. Ltd., (1472810), Yaesuguchikaikan 7-20, Yaesu 1-chome, Chou-ku, Tokyo, (JP), (applicant designated states: DE;FR;GB;IT;NL)

INVENTOR:

Kamamori, Hitoshi, c/o Seiko Instruments Inc., 31-1, Kameido 6-chome, Koto-ku, Tokyo, (JP)  
Suginoya, Mitsuru, c/o Seiko Instruments Inc., 31-1, Kameido 6-chome, Koto-ku, Tokyo, (JP)  
Watanabe, Tsutomu, c/o Shinto Chemitron Co. Ltd., Yaesuguchikaikan 7-20, Yaesu 1-chome, Chuo-ku, Tokyo, (JP)  
Ota, Toshiaki, c/o Shinto Chemitron Co. Ltd. , Yaesuguchikaikan 7-20, Yaesu 1-chome, Chuo-ku, Tokyo, (JP)  
Iwasa, Koji c/o Seiko Instruments Inc., 31-1, Kameido 6-chome Koto-ku, Tokyo, (JP)  
Fukuchi, Takakazu c/o Seiko Instruments Inc., 31-1, Kameido 6-chome Koto-ku, Tokyo, (JP)  
Yasumawa, Junichi c/o Shinto Chemitron Co. Ltd.,, 4th Floor, Yaesuguchi-kaikan, 7-20, Yaesu 1-chome, Chuo-ku, Tokyo,, (JP)

LEGAL REPRESENTATIVE:

Sturt, Clifford Mark et al (50502), J. MILLER & CO. 9 John Street, London WC1N 4JH, (GB)

PATENT (CC, No, Kind, Date): EP 501657 A1 920902 (Basic)  
EP 501657 B1 980624

APPLICATION (CC, No, Date): EP 92301330 920219;

PRIORITY (CC, No, Date): JP 9130464 910225

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: G03C-007/12; G03F-007/16; G02F-001/1335;  
ABSTRACT WORD COUNT: 105

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9826	276
CLAIMS B	(German)	9826	273
CLAIMS B	(French)	9826	307
SPEC B	(English)	9826	1520
Total word count - document A			0
Total word count - document B			2376
Total word count - documents A + B			2376

INVENTOR:

... JP)  
Ota, Toshiaki, c/o Shinto Chemitron Co. Ltd ...

...SPECIFICATION a transparent conductive film 4 is formed (as shown in  
Fig. 4 (e)).

Liquid crystal **displays** of the **thin** film technology type have been  
expected in recent years to have a promising future. However...

30/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00876685 \*\*Image available\*\*

**FLEXIBLE FLAT COLOR DISPLAY**

**ECRAN COULEUR PLAT SOUPLE**

Patent Applicant/Assignee:

SONY ELECTRONICS INC, 1 Sony Drive, Park Ridge, NJ 07656, US, US  
(Residence), US (Nationality)

Inventor(s):

OTA Takaaki , 11572 Windcrest Lane #1513, San Diego, CA 92128, JP

Legal Representative:

FREI Donald F (et al) (agent), Wood, Herron & Evans, L.L.P., 2700 Carew  
Tower, Cincinnati, OH 45202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200210809 A1 20020207 (WO 0210809)

Application: WO 2001US22839 20010720 (PCT/WO US0122839)

Priority Application: US 2000632020 20000802

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4825

**FLEXIBLE FLAT COLOR DISPLAY**

Inventor(s):

OTA Takaaki ...

Fulltext Availability:

Detailed Description

Detailed Description

FLEXIBLE **FLAT** COLOR **DISPLAY**

Field of the Invention

The present invention generally relates to electronic, lightemitting displays.

Background of...

?

File 2:INSPEC 1969-2004/Apr W1  
(c) 2004 Institution of Electrical Engineers  
File 6:NTIS 1964-2004/Apr W2  
(c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 8:Ei Compendex(R) 1970-2004/Apr W1  
(c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Apr W2  
(c) 2004 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2004/Mar  
(c) 2004 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2004/Apr W2  
(c) 2004 BLDSC all rts. reserv.  
File 94:JICST-EPlus 1985-2004/Mar W4  
(c)2004 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2004/Mar W4  
(c) 2004 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Mar  
(c) 2004 The HW Wilson Co.  
File 144:Pascal 1973-2004/Apr W1  
(c) 2004 INIST/CNRS  
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.  
File 239:Mathsci 1940-2004/May  
(c) 2004 American Mathematical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 603:Newspaper Abstracts 1984-1988  
(c)2001 ProQuest Info&Learning  
File 483:Newspaper Abs Daily 1986-2004/Apr 15  
(c) 2004 ProQuest Info&Learning  
File 248:PIRA 1975-2004/Apr W1  
(c) 2004 Pira International

Set	Items	Description
S1	1097	(FERROELECTRIC? OR FERRO-ELECTRIC? OR FERRO()ELECTRIC?) () (- LCD OR LIQUID()CRYSTAL()DISPLAY?) OR FLC
S2	36576	PRISM
S3	1299593	ROW OR HORIZONTAL? OR TOP
S4	1533849	COLUMN? OR VERTICAL? OR BOTTOM?
S5	148844	PIXEL?? OR PEL?? OR PICTURE()ELEMENT?? OR SUBPEL?? OR MINI- -PEL?? OR SUBPIXEL?? OR MINIPixel?? OR (SUB OR MINI) () (PEL?? - OR PIXEL??)
S6	47825	(FLAT OR THIN) (3N) (SCREEN? OR TV OR TELEVISION OR DISPLAY? ) OR FLATSCREEN? OR FLATPANEL? OR THINSscreen? OR HDTV OR HIGH- ( )DEF?() (TV OR TELEVISION)
S7	0	ACTIVAT?(3N)S5 AND S3 AND S4 AND (RED()GREEN()BLUE OR RGB - OR COLOR? OR COLOUR?) AND SYNCHRON?
S8	11455	AU=(DAWSON, T? OR BESSEL, D? OR BOYDEN, D? OR DESCH, D? OR PAUL GEORGIEF, P? OR GUNATILAKE, P? OR JONES, K? OR OTA, T? OR READ, C? OR KAWASAKI, K?)
S9	21646	AU=(DAWSON T? OR BESSEL D? OR BOYDEN D? OR DESCH D? OR GEO- RGIEF P? OR GUNATILAKE P? OR JONES K? OR OTA T? OR READ C? OR KAWASAKI K?)
S10	29	S5 AND S3 AND S4 AND (RED()GREEN()BLUE OR RGB OR COLOR? OR COLOUR?) AND SYNCHRON?
S11	25	(S8 OR S9) AND S6
S12	0	S11 AND S2 AND S3 AND S4
S13	0	S11 AND S2
S14	21	RD S11 (unique items)

S15	0	S1 AND S2 AND S10
S16	0	S10 AND S2
S17	6	S10 AND S6
S18	6	S17 NOT S14
S19	2	RD S18 (unique items)
S20	0	S1 AND S2 AND S3 AND S4 AND S5
S21	0	S1 AND S10
S22	13	S2 AND S3 AND S4 AND S5
S23	13	S22 NOT (S17 OR S14)
S24	8	RD S23 (unique items)

14/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6794367 INSPEC Abstract Number: A2001-03-6170P-002, B2001-02-2550B-006

**Title: Onset of extended defect formation and enhanced diffusion for ultra-low energy boron implants**

Author(s): Liu, J.; Jones, K.S. ; Downey, D.F.; Mehta, S.

Author Affiliation: Varian Semicond. Equip. Assoc., Gloucester, MA, USA

Conference Title: Si Front-End Processing - Physics and Technology of Dopant-Defect Interactions. Symposium p.9-14

Editor(s): Gossmann, H.-J.L.; Haynes, T.E.; Law, M.E.; Larsen, A.N.; Odanaka, S.

Publisher: Mater. Res. Soc, Warrendale, PA, USA

Publication Date: 1999 Country of Publication: USA xi+288 pp.

ISBN: 1 55899 475 0 Material Identity Number: XX-2000-00091

Conference Title: Si Front-End Processing - Physics and Technology of Dopant-Defect Interactions. Symposium

Conference Date: 6-9 April 1999 Conference Location: San Francisco, CA, USA

Language: English

Subfile: A B

Copyright 2000, IEE

Author(s): Liu, J.; Jones, K.S. ; Downey, D.F.; Mehta, S.

...Abstract: on extended defect formation and enhanced dopant diffusion was examined. It was observed that a **thin screen** oxide layer (35 AA), grown prior to implantation, reduces the concentration of dopant in the...

...Identifiers: **thin screen** oxide layer

14/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5100704 INSPEC Abstract Number: B9512-4220M-009

**Title: Blue and yellow light emitting phosphors for thin film electroluminescent displays**

Author(s): Holloway, P.H.; Yu, J.-E.; Rack, P.; Sebastian, J.; Jones, S.; Trottier, T.; Jones, K.S. ; Pathangey, B.; Anderson, T.J.; Sun, S.-S.; Tuenge, N.; Dickey, E.; King, C.N.

Author Affiliation: Dept. of Mater. Sci. & Eng., Florida Univ., Gainesville, FL, USA

Conference Title: Flat Panel Display Materials. Symposium p.289-98

Editor(s): Batey, J.; Chiang, A.; Holloway, P.H.

Publisher: Mater. Res. Soc, Pittsburgh, PA, USA

Publication Date: 1994 Country of Publication: USA ix+339 pp.

Conference Title: Flat Panel Display Materials. Symposium

Conference Date: 5-6 April 1994 Conference Location: San Francisco, CA, USA

Language: English

Subfile: B

Copyright 1995, IEE

**Title: Blue and yellow light emitting phosphors for thin film electroluminescent displays**

Author(s): Holloway, P.H.; Yu, J.-E.; Rack, P.; Sebastian, J.; Jones, S.; Trottier, T.; Jones, K.S. ; Pathangey, B.; Anderson, T.J.; Sun, S.-S.; Tuenge, N.; Dickey, E.; King...

...Abstract: nm thick. This is shown to result in lower threshold

voltages for ACTFELDs (alternating current **thin** film electroluminescent **displays** ). The luminescence spectra from sputter deposited, cerium-doped thiogallate thin films were measured and the...

...Descriptors: **flat panel displays** ;

...Identifiers: **thin film electroluminescent displays** ; ...

...alternating current **thin film electroluminescent displays** ;

14/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04355207 INSPEC Abstract Number: B9304-7260-005

**Title: Development of color plasma display**

Author(s): Nunomura, K.; Sano, Y.; Okajima, T.; Ota, T.

Author Affiliation: Color PDP Dev. Centre, NEC Corp., Tokyo, Japan

Journal: NEC Technical Journal vol.45, no.9 p.26-9

Publication Date: Oct. 1992 Country of Publication: Japan

CODEN: NECGEZ ISSN: 0285-4139

Language: Japanese

Subfile: B

Author(s): Nunomura, K.; Sano, Y.; Okajima, T.; Ota, T.

Descriptors: **flat panel displays** ;

14/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02952512 INSPEC Abstract Number: B87056347

**Title: 3-inch full-color liquid crystal TV using a-Si TFT**

Author(s): Tanaka, S.; Kitahara, H.; Ikeda, H.; Sue, K.; Kawasaki, K. ; Nishikawa, A.; Itagaki, S.; Hotta, S.; Miyata, Y.; Yokoyama, K.; Adachi, K. ; Nagata, S.; Hatada, K.; Fujimoto, H.; Kitayama, Y.

Author Affiliation: Div. of Video Equip., Matsushita Commun. Ind. Co. Ltd., Osaka, Japan

Journal: National Technical Report vol.33, no.1 p.64-75

Publication Date: Feb. 1987 Country of Publication: Japan

CODEN: NTROAV ISSN: 0028-0291

Language: Japanese

Subfile: B

Author(s): Tanaka, S.; Kitahara, H.; Ikeda, H.; Sue, K.; Kawasaki, K. ; Nishikawa, A.; Itagaki, S.; Hotta, S.; Miyata, Y.; Yokoyama, K.; Adachi, K. ; Nagata, S...

...Descriptors: **flat panel displays** ;

14/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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01466305 INSPEC Abstract Number: B80011306

**Title: Pocket-sized liquid crystal TV receiver**

Author(s): Yoshiyama, M.; Matsuo, T.; Irie, H.; Kawasaki, K. ; Tatsuta, H.

Author Affiliation: Electronics Res. Lab., Matsushita Electric Ind. Co. Ltd., Moriguchi, Osaka, Japan



Journal: National Technical Report vol.25, no.3 p.500-8  
Publication Date: June 1979 Country of Publication: Japan  
CODEN: NTROAV ISSN: 0028-0291  
Language: Japanese  
Subfile: B

Author(s): Yoshiyama, M.; Matsuo, T.; Irie, H.; Kawasaki, K. ; Tatsuta, H.

...Abstract: circuit. A pocket-sized TV receiver operable with battery can be constructed first as a flat screen display. An almost satisfactory TV image (small screen size) can be displayed in bright ambient light...

...Identifiers: flat screen display ;

14/3,K/6 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS  
(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

2030047 NTIS Accession Number: DE97005141/XAB  
**Role of gallium sulfide in SrS:Ce grain growth**  
Evans, N. D. ; Naman, A. ; Jones, K. S. ; Holloway, P. H. ; Rice, P. M.  
Oak Ridge National Lab., TN.  
Corp. Source Codes: 021310000; 4832000  
Sponsor: Department of Energy, Washington, DC.  
Report No.: CONF-970834-15  
1997 3p  
Languages: English Document Type: Conference proceeding  
Journal Announcement: GRAI9801; ERA9742  
Microscopy and Microanalysis '97, Cleveland, OH (United States), 10-14 Aug 1997. Sponsored by Department of Energy, Washington, DC.  
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NTIS Prices: PC A01/MF A01

Evans, N. D. ; Naman, A. ; Jones, K. S. ; Holloway, P. H. ; Rice, P. M.  
Whereas efficient red (ZnS:Mn) and green (ZnS:Tb) phosphors are available for full-color flat-panel display technology, efficient blue phosphors are still under development. SrS:Ce is being investigated as a...

14/3,K/7 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

03924417 E.I. No: EIP94091378269  
**Title: Ferroelectricity of compositions using SmC polymers**  
Author: Ido, Motohisa; Tamaka, Keiji; Hachiya, Satoshi; Kawasaki, Kenji  
Corporate Source: Idemitsu Kosan Co., Ltd, Sodegaura, Jpn  
Conference Title: Proceedings of the 4th International Conference on Ferroelectric Liquid Crystals  
Conference Location: Tokyo, Jpn Conference Date: 19930928-19931001  
E.I. Conference No.: 20559  
Source: Ferroelectrics v 148 n 1-4 pt 2 1993. p 223-232  
Publication Year: 1993  
CODEN: FEROA8 ISSN: 0015-0193  
Language: English

Author: Ido, Motohisa; Tamaka, Keiji; Hachiya, Satoshi; **Kawasaki, Kenji**  
Identifiers: **Flat panel display** ; Molecular orientation control;  
Liquid crystalline polymers; Silica gel chromatography; Phase transition  
temperature

**14/3,K/8** (Item 2 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02283397 E.I. Monthly No: EIM8710-072959

**Title: FULL-COLOR MULTI-GAP LC-TV DISPLAY PANEL ADDRESSED BY a-Si TFTs.**  
Author: Hotta, Sadayoshi; Nagata, Seiichi; Miyata, Yutaka; Yokoyama, Kazuo; Adachi, Katsumi; Chikamura, Takao; Yoshiyama, Masami; Nisikawa, Atsuo; **Kawasaki, Kiyoshiro**  
Corporate Source: Matsushita Electric Industrial Co, Osaka, Jpn  
Conference Title: 1986 SID International Symposium - Digest of Technical Papers.  
Conference Location: San Diego, CA, USA Conference Date: 19860500  
E.I. Conference No.: 09572  
Source: Digest of Technical Papers - SID International Symposium (Society for Information Display) v 17. Publ by Palisades Inst for Research Services Inc, New York, NY, USA p 296-297  
Publication Year: 1986  
CODEN: DTPSDS  
Language: English

...Author: Sadayoshi; Nagata, Seiichi; Miyata, Yutaka; Yokoyama, Kazuo; Adachi, Katsumi; Chikamura, Takao; Yoshiyama, Masami; Nisikawa, Atsuo; **Kawasaki, Kiyoshiro**  
...Descriptors: **Thin Films; TELEVISION RECEIVERS, COLOR**

**14/3,K/9** (Item 3 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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01702819 E.I. Monthly No: EIM8412-093417

**Title: 12-INCH LCD MODULE WITH 640 X 200 PIXELS.**  
Author: **Kawasaki, K.** ; Sakayori, H.; Fujii, T.; Ihara, Y.; Kuramochi, O.  
Corporate Source: Toshiba Corp, Kawasaki, Jpn  
Conference Title: Digest of Technical Papers - 1984 IEEE International Conference on Consumer Electronics.  
Conference Location: Rosemont, Ill, USA Conference Date: 19840606  
E.I. Conference No.: 04686  
Source: Digest of Technical Papers - IEEE International Conference on Consumer Electronics 1984. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 84CH2016-4), Piscataway, NJ, USA p 76-77  
Publication Year: 1984  
CODEN: DTPEEL  
Language: English

Author: **Kawasaki, K.** ; Sakayori, H.; Fujii, T.; Ihara, Y.; Kuramochi, O.  
...Identifiers: 640 BY 200 PIXELS; WORD PROCESSORS; CRT INTERFACE  
CIRCUITS; PERSONAL COMPUTERS; BUSINESS MACHINE TERMINALS; MESSAGE **DISPLAYS**  
; ASPECT RATIOS; DIAGONAL **FLAT DISPLAYS**

**14/3,K/10** (Item 1 from file: 65)  
DIALOG(R)File 65: Inside Conferences

(c) 2004 BLDSC all rts. reserv. All rts. reserv.

00689000 INSIDE CONFERENCE ITEM ID: CN006706915

**Compression of Stereo Video Streams**

Gunatilake, P. ; Siegel, M.; Jordan, A.

CONFERENCE: Signal processing of HDTV, V-International workshop on HDTV

SIGNAL PROCESSING OF HDTV, 1994; CONF 5 P: 173-186

Amsterdam, London, Elsevier, 1994

ISSN: NONE-0593 ISBN: 0444818448

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Stenger, L.; Chiariglione, L.; Akgun, M.

CONFERENCE LOCATION: Ottawa

CONFERENCE DATE: Oct 1993 (199310) (199310)

Gunatilake, P. ; Siegel, M.; Jordan, A.

DESCRIPTORS: signal processing; HDTV

14/3,K/11 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

05045495 JICST ACCESSION NUMBER: 02A0075956 FILE SEGMENT: JICST-E

**Semiconductor and Flat Panel Display . Development of High Throughput**

**Turbo Molecular Pumps.**

YAMAGUCHI HITOSHI (1); KUBO MASAHIRO (1); OTA TOMOO (1); NAGANO YOSHIHIRO (1); ITO YOSHITADA (1)

(1) Shimazuseisakusho Danyokikaijigyobu Gijutsubu

Shimazu Hyoron(Shimadzu Review), 2001, VOL.58,NO.1/2, PAGE.11-16, FIG.11, TBL.1, REF.1

JOURNAL NUMBER: F0302AAM ISSN NO: 0371-005X CODEN: SHHYA

UNIVERSAL DECIMAL CLASSIFICATION: 621.382.002.2 533.5+531.788

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

**Semiconductor and Flat Panel Display . Development of High Throughput**

**Turbo Molecular Pumps.**

YAMAGUCHI HITOSHI (1); KUBO MASAHIRO (1); OTA TOMOO (1); NAGANO YOSHIHIRO (1); ITO YOSHITADA (1)

14/3,K/12 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04435314 JICST ACCESSION NUMBER: 00A0034029 FILE SEGMENT: JICST-E

**The development of the X-ray digital photograph device using the flat panel sensor.**

MITARAI FUJIO (1); TANAKA NOBUYOSHI (1); SAEGUSA TSUTOMU (1); KAWASAKI KEIICHI (1); MORISHITA MASAKAZU (1); NIIMI AKIRA (2)

(1) Canon Inc.; (2) Kiyanonkomponento

Kikai Shinko(Promoting Machine Industry in Japan), 1999, VOL.32,NO.12, PAGE.42-45, FIG.7, TBL.1

JOURNAL NUMBER: G0454AAT ISSN NO: 0389-9500

UNIVERSAL DECIMAL CLASSIFICATION: 615.472/.473

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

MITARAI FUJIO (1); TANAKA NOBUYOSHI (1); SAEGUSA TSUTOMU (1); **KAWASAKI KEIICHI** (1); MORISHITA MASAKAZU (1)

...ABSTRACT: the stereography with the immediacy. Features of CXDI-11 consist of installation of the large **screen flat** panel sensor, stable image, compact design, conformity to network standard DICOM3.0.

**14/3,K/13** (Item 3 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

03177791 JICST ACCESSION NUMBER: 97A0273153 FILE SEGMENT: JICST-E  
**Preparation of spherical rare-earth-oxysulfide phosphors by thermal plasma treatment.**

OKUMURA M (1); TAMATANI M (1); ALBESSARD A K (1); MATSUDA N (1); INOUE Y (2); **KAWASAKI K** (2)

(1) Toshiba Corp., Kanagawa, JPN; (2) Neturen Co. Ltd., Kanagawa, JPN  
Proc 3rd Int Disp Workshops 1996 Vol 2, 1996, PAGE.29-32, FIG.6, TBL.1, REF.3

JOURNAL NUMBER: K19970092L

UNIVERSAL DECIMAL CLASSIFICATION: 535.376:546

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

; INOUE Y (2); **KAWASAKI K** (2)

DESCRIPTORS: **flat panel display** ;

**14/3,K/14** (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

02651531 JICST ACCESSION NUMBER: 96A0021370 FILE SEGMENT: JICST-E  
**High Fidelity Coding for Super High Definition Images.**

KUROKI YOSHIMITSU (1); **OTA TEIJI** (1)

(1) Kyushu Inst. of Technol., Fac. of Eng.

Denshi Joho Tsushin Gakkai Ronbunshi. B,1(Transactions of the Institute of Electronics, Information and Communication Engineers. B-1), 1995, VOL.78,NO.11, PAGE.672-679, FIG.7, TBL.8, REF.15

JOURNAL NUMBER: S0622BAN ISSN NO: 0915-1877

UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197 681.3:621.397.3

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

KUROKI YOSHIMITSU (1); **OTA TEIJI** (1)

...DESCRIPTORS: **HDTV** ;

**14/3,K/15** (Item 5 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

01651093 JICST ACCESSION NUMBER: 92A0815128 FILE SEGMENT: JICST-E  
**Electronic Displays. Development of Color Plasma Display.**

NUNOMURA KEIJI (1); SANO YOSHIO (1); OKAJIMA TETSUJI (1); **OTA TATSUKI** (1)  
(1) NEC Corp.

NEC Giho(NEC Technical Journal), 1992, VOL.45,NO.9, PAGE.26-29, FIG.5,  
TBL.1, REF.3

JOURNAL NUMBER: G0475BAB ISSN NO: 0285-4139

UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

NUNOMURA KEIJI (1); SANO YOSHIO (1); OKAJIMA TETSUJI (1); **OTA TATSUKI** (1)  
...DESCRIPTORS: **flat panel display** ;

**14/3,K/16** (Item 6 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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00676662 JICST ACCESSION NUMBER: 88A0495877 FILE SEGMENT: JICST-E

**Black and white display image, ST LCD.**

WATANABE RYOICHI (1); NONAKA MASANOBU (1); **KAWASAKI KAZUO** (1); YOSHIMURA  
HIROYUKI (2)

(1) Toshiba Kotaidebaisudaisangijutsubu; (2) Toshiba Electronic Device  
Engineering Corp.

Toshiba Rebyu(Toshiba Review), 1988, VOL.43,NO.8, PAGE.657-660, TBL.3,  
REF.8

JOURNAL NUMBER: F0360AAK ISSN NO: 0372-0462 CODEN: TORBA

UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

WATANABE RYOICHI (1); NONAKA MASANOBU (1); **KAWASAKI KAZUO** (1)  
...DESCRIPTORS: **flat panel display** ;

**14/3,K/17** (Item 7 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

00384011 JICST ACCESSION NUMBER: 87A0151835 FILE SEGMENT: JICST-E

**An experimental system of 2-dimensional TAT.**

KAGEYAMA MASAHIRO (1); **OTA TAKAAKI** (1); MURAKAMI MASAYUKI (1); TANIMOTO  
MASAYUKI (1)

(1) Nagoyadai Ko

Denshi Tsushin Gakkai Gijutsu Kenkyu Hokoku, 1986, VOL.86,NO.246,  
PAGE.21-28(CS86-76), FIG.8, TBL.3, REF.7

JOURNAL NUMBER: S0532BAP

UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

KAGEYAMA MASAHIRO (1); **OTA TAKAAKI** (1); MURAKAMI MASAYUKI (1); TANIMOTO  
MASAYUKI (1)  
...DESCRIPTORS: **HDTV**

14/3,K/18 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2004 FIZ TECHNIK. All rts. reserv.

01837427 20040201783

**Developments in colour display devices**

(Neuentwicklungen bei Farbdisplays)

**Dawson, TL**

Review of Progress in Coloration and Related Topics, v33, n2, pp1-14, 2003

Document type: journal article Language: English

Record type: Abstract

ISSN: 0557-9325

**Dawson, TL**

**ABSTRACT:**

...as large screen television, public information boards or military uses. The research and development into **flat -panel displays** (FPDs) has been driven by a rapidly escalating demand for portable equipment such as lap...

...DESCRIPTORS: LIQUID CRYSTAL DISPLAYS; INNOVATIONS; **DISPLAYS** ; REVIEW; DIODES; **FLAT PANEL DISPLAYS**

14/3,K/19 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01468085 20001200458

**A new millennium of textile printing**

(Ein neues Jahrtausend des Textildrucks)

**Dawson, TL ; Hawkyard, CJ**

Univ. of Manchester Inst. of Sci. a. Technol. (UMIST), GB

Review of Progress in Coloration, v30, n12, pp7-19, 2000

Document type: journal article Language: English

Record type: Abstract

ISSN: 0557-9325

**Dawson, TL ; Hawkyard, CJ**

**ABSTRACT:**

...using engraved roller printing. Thus today some 89 % of all printed textiles are produced with **flat** or rotary **screens** . Furthermore, there is an increasing trend towards short run lengths (less than 1000 m per...

...are in last stages of research. Many improvements happened at printing techniques, both in rotary- **screen** machines and in **flat - screen** machines. Digital printing systems increasing use of CAD systems, with the consequent ability to store...

DESCRIPTORS: TEXTILE PRINTING; MARKET ANALYSIS; MARKET SHARE; PRINTING PASTE; STENCIL PRINTING; **FLAT SCREEN** PRINTING; ROTARY PRINTING SCREEN; ROTARY SCREEN PRINTING MACHINES; DIGITAL PRINTER; DYESTUFF CLASS; PATTERNING...

14/3,K/20 (Item 3 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2004 FIZ TECHNIK. All rts. reserv.

01294361 T99030454148

**150 years of carpet printing: a retrospect**

(Rueckblick auf 150 Jahre Teppichdruck)

**Dawson, TL**

Journal of the Society of Dyers and Colourists, v115, n1, pp13-21, 1999

Document type: journal article Language: English

Record type: Abstract

ISSN: 0037-9859

**Dawson, TL**

...DESCRIPTORS: PRINTING; CARPET PRINTING MACHINES; HISTORY OF TECHNOLOGY;  
TECHNOLOGY; DYEING; PRINTING MACHINES; PRINTING BLOCK; **FLAT SCREEN**  
PRINTING; ROTARY **SCREEN** PRINTING; SPRAY PRINTING; RANDOM DYEING; FLOOR  
COVERING; TRANSFER PRINTING; VIGOUREUX PRINTING; POLYCHROMATIC DYEING; JET  
DYEING...

**14/3,K/21 (Item 1 from file: 483)**

DIALOG(R)File 483:Newspaper Abs Daily

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02846490

**Zenith wins competition for HDTV**

**Jones, Kathryn**

New York Times, Sec D, p 1, col 6

Feb 17, 1994

ISSN: 0362-4331 NEWSPAPER CODE: NY

DOCUMENT TYPE: News; Newspaper

LANGUAGE: English RECORD TYPE: ABSTRACT

LENGTH: Long (18+ col inches)

**Zenith wins competition for HDTV**

**Jones, Kathryn**

ABSTRACT: The Digital **HDTV** Grand Alliance, an industry group developing  
the next generation of TV technology, on Feb 16...

...Electronics Corp system over one by General Instrument Corp for  
transmitting the signals of future **HDTV** .

DESCRIPTORS: **High definition television ; ...**

**... HDTV ;**

COMPANY INFORMATION:

**... HDTV Grand Alliance**

?

19/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6721140 INSPEC Abstract Number: B2000-11-6430C-006

**Title: An alternative architecture for high-performance display**

Author(s): Corrigan, R.W.; Lang, B.R.; LeHoty, D.A.; Alioshin, P.A.

Author Affiliation: Silicon Light Machines, Sunnyvale, CA, USA

Journal: SMPTE Journal vol.109, no.7 p.568-72

Publisher: Soc. Motion Picture & Telev. Eng,

Publication Date: July 2000 Country of Publication: USA

CODEN: SMPJDF ISSN: 0036-1682

SICI: 0036-1682(200007)109:7L:568:AAHP;1-B

Material Identity Number: S218-2000-008

Language: English

Subfile: B

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...Abstract: architecture creates a high-resolution projected image by optically scanning a linear array of GLV **pixels**, requiring about two thousand times fewer **pixels** than a 2D panel and about one thousand times lower bandwidth than a scanned-spot approach for **HDTV** display. A 1080p projection display prototype based on this architecture has been developed which displays 1920\*1080 resolution, 30-bit **color** (10 bit/channel **RGB**) and up to 120 Hz refresh. The system receives 1080p video data at 24 or...  
...are unique to the scanned linear architecture have been developed, including display mapping, data calibration, **row / column** transpose, frame rate multiply, and frame dither/refresh. The system is **synchronous** at 74.25 MHz.

...Descriptors: **high definition television** ;

...Identifiers: **HDTV** ; ...

... **row column** transpose

19/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5712781 INSPEC Abstract Number: B9711-6420D-011, C9711-5260B-299

**Title: A fully programmable systolic pipelined digital video encoder for NTSC/PAL/PALplus compatibility on a 4:3 screen**

Author(s): Seung-Ho Oh; Han-Jun Choi; Sung-Woo Kwon; Moon-Key Lee

Author Affiliation: Dept. of Electron. Eng., Yonsei Univ., Seoul, South Korea

Journal: IEEE Transactions on Consumer Electronics Conference Title: IEEE Trans. Consum. Electron. (USA)

Publisher: IEEE, no.3 p.965-71

Publication Date: Aug. 1997 Country of Publication: USA

CODEN: ITCEDA ISSN: 0098-3063

SICI: 0098-3063(199708)43:3L:965:1

Material Identity Number: I273-9700

U.S. Copyright Clearance Center Code: 0098-3063/97/\$10.00

Conference Title: 1997 International Conference on Consumer Electronics

Conference Date: 11-13 June 1997 Conference Location: Rosemont, IL, USA

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: wide screen, on a 4:3 screen. In order for this to be



realized the **vertical** and **horizontal synchronous** timing are fully programmable and the encoder is designed in a systolic pipelined architecture with a double **pixel** clock to increase the internal processing speed. Also, we have mainly concentrated on reducing the gate counts of the submodules such as the letter-box converter, **color** converter matrix, low pass filter, interpolator, and **color** modulator. The encoder can accept **RGB** and **YCbCr** as the input **pixel** signal with a speed of 10-15 Mpps. The outputs are a Y/C (S...

... have modeled the encoder in Verilog-HDL and verified its overall operation by feeding the **top** module with a **color** bar test signal. The encoder, which was implemented by 0.6  $\mu$ m CMOS technology...

...Descriptors: **high definition television** ; ...

... **synchronisation** ;

...Identifiers: **horizontal synchronous** timing...

... **vertical synchronous** timing...

...double **pixel** clock...

... **color** converter matrix...

... **color** modulator...

...input **pixel** signal...

...set- **top** box...

... **HDTV** ;

?

24/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7777493 INSPEC Abstract Number: B2003-12-6430H-001

Title: **Ultrahigh-definition color video camera system with 4K-scanning lines**

Author(s): Mitani, K.; Sugawara, M.; Shimamoto, H.; Yamashita, T.; Okano, F.

Author Affiliation: NHK Sci. & Tech. Res. Labs., Tokyo, Japan

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.5017 p.159-66

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2003 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2003)5017L:159:UDCV;1-1

Material Identity Number: C574-2003-332

U.S. Copyright Clearance Center Code: 0277-786X/03/\$15.00

Conference Title: Sensors and Camera Systems for Scientific, Industrial, and Digital Photography Applications IV

Conference Sponsor: SPIE; Soc. Imaging Sci. & Technol

Conference Date: 21-23 Jan. 2003 Conference Location: Santa Clara, CA, USA

Language: English

Subfile: B

Copyright 2003, IEE

Abstract: An experimental ultrahigh-definition color video camera system with 7680 (H) \* 4320 (V) **pixels** has been developed using four 8-million-**pixel** CCDs. The 8-million-**pixel** CCD with a progressive scanning rate of 60 frames per second has 4046 (H) \* 2048 (V) effective imaging **pixels**, each of which is 8.4 micron/sup 2/. We applied the four-imager pickup...

...increase the camera's resolution. This involves attaching four CCDs to a special color-separation **prism**. Two CCDs are used for the green image, and the other two are used for...

... pattern of these CCDs to the optical image is equivalent to one with 32 million **pixels** in the Bayer pattern color filter. The prototype camera attains a limiting resolution of more than 2700 TV lines both **horizontally** and **vertically**, which is higher than that of an 8-million-CCD. The sensitivity of the camera...

...Identifiers: color separation **prism**; ...

...4320 **pixel**; ...

...7680 **pixel**; ...

...4046 **pixel**; ...

...2048 **pixel**;

24/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5920780 INSPEC Abstract Number: A9813-9575-002

Title: **A new method for CCD measurements of the solar diameter with an**

**astrolabe**

Author(s): Sinceac, V.; Chollet, F.; Laclare, F.; Delmas, C.  
Author Affiliation: Obs. de Paris, France  
Journal: Astronomy & Astrophysics Supplement Series vol.128, no.3  
p.605-15  
Publisher: Editions de Physique,  
Publication Date: March 1998 Country of Publication: France  
CODEN: AAESB9 ISSN: 0365-0138  
SICI: 0365-0138(199803)128:3L.605:MMSD;1-J  
Material Identity Number: A351-98009  
Language: French  
Subfile: A  
Copyright 1998, FIZ Karlsruhe

...Abstract: the measured quantity is the exact time crossing the parallel of altitude (defined by the **prism** angle) by the Sun's edge, i.e. the time of merging of the two...

... luminosity function along each of the 256 useful lines (the matrix is 512 by 512 **pixels** ). This means that a numerical derivation is performed on every other line of the CCD video camera which has to stand as **vertical** as possible. Then, for every frame, and through the 256 points, a parabola is fitted, using the least squares method. The **top** of this parabola materializes the prospective characteristic point. The sets of such points associated with...

**24/3,K/3 (Item 3 from file: 2)**

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5421764 INSPEC Abstract Number: B9612-6430C-012

**Title: A study of spatial offset method in the diagonal direction for a very high resolution pickup system**

Author(s): Mitani, K.; Fujita, Y.; Shimamoto, H.  
Author Affiliation: NHK Sci. & Tech. Res. Labs., Tokyo, Japan  
Journal: Journal of the Institute of Television Engineers of Japan  
vol.50, no.8 p.1073-9  
Publisher: Inst. Telev. Eng. Japan,  
Publication Date: Aug. 1996 Country of Publication: Japan  
CODEN: JITJA7 ISSN: 0386-6831  
SICI: 0386-6831(199608)50:8L.1073:SSOM;1-T  
Material Identity Number: J056-96010  
Language: Japanese  
Subfile: B  
Copyright 1996, IEE

...Abstract: up elements and lenses, a 2,000-line image pick-up experimental system with improved **vertical** resolution has already been developed. In this development, the **pixels** are offset diagonally between the image pick-up elements of two imagers to make the...

... sample points are taken to be quincunx samples is studied in an effort to improve **horizontal** and **vertical** resolution. In this paper, we report on our investigations into achieving greater **horizontal** and **vertical** resolution by offsetting **pixels** diagonally using HDTV 2/3-inch 2M- **pixel** charge modulation devices (CMD). We also report on our success in achieving both a **horizontal** and **vertical** limiting resolution of more than 1300 TVL through image pick-up testing. In regard to...

... to achieve ultrahigh-definition through the multi-imager method,

comparisons were made between two-imager **pixel** offset high definition and simple multi- **pixel** high definition. We verified that there was no deterioration in S/N and sensitivity, and...

...Identifiers: **vertical** resolution improvement...

...diagonally offset **pixels** ; ...

... **horizontal** resolution improvement...

... **prism** mounting position

24/3,K/4 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04180158 E.I. No: EIP95032622930

**Title: High-frame-rate CCD cameras with fast optical shutters for military and medical imaging applications**

**Author:** King, Nicholas S.; Albright, Kevin L.; Jaramillo, Steven A.; McDonald, Thomas E.; Yates, George J.; Turko, Bojan T.

**Corporate Source:** Los Alamos Natl. Lab., Los Alamos, NM, USA

**Conference Title:** Ultrahigh- and High-Speed Photography, Videography, and Photonics '94

**Conference Location:** San Diego, CA, USA **Conference Date:** 19940727-19940728

**E.I. Conference No.:** 22111

**Source:** Proceedings of SPIE - The International Society for Optical Engineering v 2273 1994. Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. p 56-60

**Publication Year:** 1994

**CODEN:** PSISDG **ISSN:** 0277-786X **ISBN:** 0-8194-1597-9

**Language:** English

...Abstract: each frame. These cameras utilize an Interline Transfer CCD, Loral Fairchild CCD-222 with 244 ( **vertical** ) multiplied by 380 ( **horizontal** ) **pixels** operated at **pixel** rates approaching 100 Mhz. Initial prototype designs demonstrated single-port serial readout rates exceeding 2...

...5 ns. Readout was achieved by using a truncated format of 128 multiplied by 128 **pixels** by partial masking of the CCD and then subclocking the array at approximately 65 Mhz **pixel** rate. Shuttering was accomplished with a proximity focused microchannel plate (MCP) image intensifier (MCPII) that...

...including individual intensifiers for each CCD imager, a single intensifier with fiber optic or lens/ **prism** coupled fanout of the input image to be shared by the four CCD imagers or...

24/3,K/5 (Item 1 from file: 94)  
DIALOG(R)File 94: JICST-EPlus  
(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

05716843 JICST ACCESSION NUMBER: 04A0166154 FILE SEGMENT: JICST-E  
**Ultrahigh-definition 4-CCD Video Camera System with 4,000 Scanning Lines**  
YAMASHITA TAKAYUKI (1); MITANI KOJI (1); SUGAWARA MASAYUKI (1); SHIMAMOTO HIROSHI (1); OKANO FUMIO (1)  
(1) Japan Broadcasting Corp., Sci. and Technical Res. Lab., JPN

Eizo Joho Medeia Gakkaishi(Journal of the Institute of Image Information and Television Engineers), 2004, VOL.58,NO.3, PAGE.383-391, FIG.15, TBL.2, REF.10

JOURNAL NUMBER: F0330ACX ISSN NO: 1342-6907

UNIVERSAL DECIMAL CLASSIFICATION: 621.397.61

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

...ABSTRACT: experimental ultrahigh-definition color video camera system with 7,680 (H) x 4,320 (V) **pixels** has been developed using four 8-million- **pixel** CCDs. Each 8-million- **pixel** CCD with a progressive scanning rate of 60 frames per second has 4,046 (H) x 2,048 (V) effective imaging **pixels**, each of which is 8.4 micron<sup>2</sup>. We applied the four-imager pickup method to increase the camera's resolution. This involves attaching the CCDs to a special color-separation **prism**. Two CCDs are used for the green image, and the other two are used for...

...of these CCDs relative to the optical image is equivalent to one with 32 million **pixels** in the Bayer pattern color filter. The prototype camera attains a limiting resolution of more than 2,700 TV lines both **horizontally** and **vertically**, which is higher than that of an 8-million- **pixel** CCD. The sensitivity of the camera is 2,000 lux, F 2.8 at approx...

...contour compensation circuit. It suppresses the false color caused by the non-linearity and the **pixel** -count difference between green and red (or blue). The technique has contributed to the reduction...

...DESCRIPTORS: **pixel** ;

24/3,K/6 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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03051368 JICST ACCESSION NUMBER: 96A0946864 FILE SEGMENT: JICST-E

**Examination of Optical System and Image Analysis at the Visualized**

**Measurement of Gas Flow.**

TASAKA HIDENORI (1); SHUTO MASAOKI (2); NAGASE YOSHINORI (3)

(1) Miyazaki Univ., Fac. of Eng.; (2) Miyazaki Univ., Grad. Sch.; (3)

Miyakonojo Natl. Coll. of Technol.

Mem Fac Eng Miyazaki Univ, 1996, NO.25, PAGE.259-264, FIG.10, TBL.2, REF.3

JOURNAL NUMBER: G0471AAG ISSN NO: 0540-4924

UNIVERSAL DECIMAL CLASSIFICATION: 621.4

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

...ABSTRACT: dimensional gas velocity in the cylinder, and use the optical system including xenon lamp and **prism** ..etc so that making layers of colors. When layers of colors had been irradiated on...

...taken with color by reflection of the layers. At first, two dimensional velocity in the **horizontal** plane are determined by a length of the locus of moving particle in that plane, and **vertical** velocity component in the **vertical** plane is also determined by change of color with movement of a particle in the...

...using color components (the three primary colors (R, G, B), luminance, saturation, and hue) of **pixels** on the image in order to measure location or velocity of the particle. From the...

24/3,K/7 (Item 3 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

01478023 JICST ACCESSION NUMBER: 92A0198591 FILE SEGMENT: JICST-E  
**High Difinition Liquid Crystal Front Projector.**  
KAMAKURA HIROSHI (1); YONENO KUNIO (1); YAJIMA AKITAKA (1); NAKAMURA  
JUN'ICHI (1); KARASAWA JOJI (1); NAKAYAMA TADAHIRO (1); MIYAZAWA YOKO  
(1)

(1) Seiko Epson Corp.  
Terebijon Gakkai Gijutsu Hokoku, 1992, VOL.16,NO.11(IDY92 46-57/ROFT92  
8-19v), PAGE.55-60, FIG.11, TBL.2, REF.6  
JOURNAL NUMBER: S0209AAF ISSN NO: 0386-4227  
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

ABSTRACT: A HD front projector using 1.38-Mega **pixels** Poly-Si TFT  
LCLVs(Liquid Crystal Light Valves) has been developed. The optical  
system includes...

...adopted for realizing the performance of Poly-Si TFT LCLVs. As a result  
we achieved **vertical** and **horizontal** resolution of 950 and 850 TV  
lines respectiely. (author abst.)  
...DESCRIPTORS: **prism** ;

24/3,K/8 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

05220413  
L'image stabilisee sans le numerique  
WORLD - NEW PALMCORDER AND HDTV DEVELOPMENTS  
Audiovideo Magazine (AVM) 0 July 1992 p39

Sony and Canon have developed a new image stabilising technique, known as  
Active **Prism** , to compensate for the fact that a user's hand tends to  
tremble when using a palmcorder. The Active **Prism** system, details of  
which are included in the article, is based on a device that automatically  
controls the angle of an active **prism** placed in the lens of the  
palmcorder. This **prism** is linked to a sensor that detects and estimates  
vibrations. Unlike the digital image stabilisers used in palmcorders from  
Panasonic and Mitsubishi, the Active **Prism** system is said to maintain  
excellent **vertical** and **horizontal** resolution. The CCD TR900, part of  
the Handycam TR range, is the first camcorder to use the Active **Prism**  
system. An Hi8 model, the CCD TR900 includes a 1/3-in format, 410k **pixel**  
CCD, a x 10 zoom and a stereo microphone. Meanwhile Hughes Aircraft and JVC  
have...

?  
?

File 9:Business & Industry(R) Jul/1994-2004/Apr 15  
     (c) 2004 The Gale Group  
 File 15:ABI/Inform(R) 1971-2004/Apr 15  
     (c) 2004 ProQuest Info&Learning  
 File 16:Gale Group PROMT(R) 1990-2004/Apr 15  
     (c) 2004 The Gale Group  
 File 20:Dialog Global Reporter 1997-2004/Apr 16  
     (c) 2004 The Dialog Corp.  
 File 47:Gale Group Magazine DB(TM) 1959-2004/Apr 16  
     (c) 2004 The Gale group  
 File 75:TGG Management Contents(R) 86-2004/Apr W1  
     (c) 2004 The Gale Group  
 File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Apr 16  
     (c) 2004 The Gale Group  
 File 88:Gale Group Business A.R.T.S. 1976-2004/Apr 15  
     (c) 2004 The Gale Group  
 File 98:General Sci Abs/Full-Text 1984-2004/Apr  
     (c) 2004 The HW Wilson Co.  
 File 112:UBM Industry News 1998-2004/Jan 27  
     (c) 2004 United Business Media  
 File 141:Readers Guide 1983-2004/Apr  
     (c) 2004 The HW Wilson Co  
 File 148:Gale Group Trade & Industry DB 1976-2004/Apr 16  
     (c)2004 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2004/Apr 16  
     (c) 2004 The Gale Group  
 File 264:DIALOG Defense Newsletters 1989-2004/Apr 15  
     (c) 2004 The Dialog Corp.  
 File 484:Periodical Abs Plustext 1986-2004/Apr W2  
     (c) 2004 ProQuest  
 File 553:Wilson Bus. Abs. FullText 1982-2004/Apr  
     (c) 2004 The HW Wilson Co  
 File 570:Gale Group MARS(R) 1984-2004/Apr 16  
     (c) 2004 The Gale Group  
 File 608:KR/T Bus.News. 1992-2004/Apr 16  
     (c)2004 Knight Ridder/Tribune Bus News  
 File 620:EIU:Viewswire 2004/Apr 15  
     (c) 2004 Economist Intelligence Unit  
 File 613:PR Newswire 1999-2004/Apr 16  
     (c) 2004 PR Newswire Association Inc  
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Apr 16  
     (c) 2004 The Gale Group  
 File 623:Business Week 1985-2004/Apr 15  
     (c) 2004 The McGraw-Hill Companies Inc  
 File 624:McGraw-Hill Publications 1985-2004/Apr 14  
     (c) 2004 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2004/Apr 15  
     (c) 2004 San Jose Mercury News  
 File 635:Business Dateline(R) 1985-2004/Apr 15  
     (c) 2004 ProQuest Info&Learning  
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Apr 16  
     (c) 2004 The Gale Group  
 File 647:CMP Computer Fulltext 1988-2004/Apr W1  
     (c) 2004 CMP Media, LLC  
 File 696:DIALOG Telecom. Newsletters 1995-2004/Apr 15  
     (c) 2004 The Dialog Corp.  
 File 674:Computer News Fulltext 1989-2004/Apr W1  
     (c) 2004 IDG Communications  
 File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	649	(FERROELECTRIC? OR FERRO-ELECTRIC? OR FERRO()ELECTRIC?) () (- LCD OR LIQUID()CRYSTAL()DISPLAY?) OR FLCD
S2	61023	PRISM
S3	8840496	ROW OR HORIZONTAL? OR TOP
S4	4449462	COLUMN? OR VERTICAL? OR BOTTOM?
S5	244512	PIXEL?? OR PEL?? OR PICTURE()ELEMENT?? OR SUBPEL?? OR MINI- -PEL?? OR SUBPIXEL?? OR MINIPixel?? OR (SUB OR MINI) () (PEL?? - OR PIXEL??)
S6	235024	(FLAT OR THIN) (3N) (SCREEN? OR TV OR TELEVISION OR DISPLAY?) OR FLATSCREEN? OR FLATPANEL? OR THINSscreen? OR HDTV OR HIGH(- )DEF?() (TV OR TELEVISION)
S7	0	ACTIVAT?(3N)S5(3N)S3(5N)S4(5N) (RED()GREEN()BLUE OR RGB OR - COLOR? OR COLOUR?) (3N)SYNCHRON?
S8	4376	AU=(DAWSON, T? OR BESSEL, D? OR BOYDEN, D? OR DESCH, D? OR PAUL GEORGIEF, P? OR GUNATILAKE, P? OR JONES, K? OR OTA, T? OR READ, C? OR KAWASAKI, K?)
S9	2	AU=(DAWSON T? OR BESSEL D? OR BOYDEN D? OR DESCH D? OR GEO- RGIEF P? OR GUNATILAKE P? OR JONES K? OR OTA T? OR READ C? OR KAWASAKI K?)
S10	17	S5(5N)S3(5N)S4(5N) (RED()GREEN()BLUE OR RGB OR COLOR? OR CO- LOUR?) (3N)SYNCHRON?
S11	8	(S8 OR S9) AND S6
S12	6	RD S11 (unique items)
S13	1	S12 NOT (NAFTA OR GUNS OR CRICHTON OR FILES OR TIMELINE)
S14	1	S10(S)S6
S15	9	RD S10 (unique items)
S16	0	S1(S)S2(S)S5
S17	25	S1(S)S3
S18	7	S17(S)S6
S19	7	S18 NOT (S10 OR S11)
S20	5	RD S19 (unique items)



13/3,K/1 (Item 1 from file: 141)  
DIALOG(R)File 141:Readers Guide  
(c) 2004 The HW Wilson Co. All rts. reserv.

02762364 H.W. WILSON RECORD NUMBER: BRGA94012364  
**Zenith wins competition for HDTV .**

**Jones, Kathryn.**  
New York Times (Late New York Edition) (N Y Times (Late N Y Ed)) (Feb. 17  
'94) p. D1+

**Zenith wins competition for HDTV .**  
**Jones, Kathryn.**

ABSTRACT: The Digital **HDTV** Grand Alliance, the industry alliance developing the next generation of television technology, selected a Zenith Electronics system yesterday over one by General Instrument for transmitting the signals of future **high definition television** . The alliance said that it had chosen Zenith's system because it scored better on...

DESCRIPTORS:  
**High definition television**  
?

14/3,K/1 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01538229 SUPPLIER NUMBER: 12734945 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Aydin Ranger 5221. (Hardware Review) (21-inch color SVGA monitor from Aydin  
Controls) (Evaluation)**  
Cadcam, v11, n8, p61(1)  
Sept, 1992  
DOCUMENT TYPE: Evaluation ISSN: 0963-5750 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 432 LINE COUNT: 00032

...ABSTRACT: SVGA monitor from Aydin Controls has a reasonably good image though it lacks brightness and **colors** are lighter and weaker than on a Trinitron tube. Features include resolutions from VGA to non-interlaced 1280-by-1280 **pixels**, automatic **synchronization**, reasonably **flat screen** and .31mm dot pitch. Controls include the usual brightness and contrast adjustments, **horizontal** and **vertical** size and position controls, vertical 'side pincushion' distortion and horizontal skewing. Drawbacks include slight coarseness...  
?

15/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

02532626 Supplier Number: 43353902 (USE FORMAT 7 FOR FULLTEXT)  
**RIB alternative announced**  
Navy News & Undersea Technology, v9, n39, pN/A  
Oct 5, 1992  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 888

... inch diagonal, flat tube, 90-degree deflection; 120 MHz minimum bandwidth; .31 dot pitch minimum; **RGB** -analog; **horizontal** resolution of 1280 **pixels** and **vertical** resolution of 1024 **pixels**; unlimited **colors**; power source of AC90-132V, 50/60 Hz; 17.25 inches in height; and a **synchronization** signal with automatic adjustment from 30KHz to 80 KHz, and 50 Hz to 80 Hz...

15/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

01258926 Supplier Number: 41462879 (USE FORMAT 7 FOR FULLTEXT)  
**Color LCD controller**  
Electronic Engineering Times, p62  
July 30, 1990  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 377

... the CL-GD5320 from Cirrus, for instance--and an LCD display. The VGA controller provides **pixel** data and such timing signals as **vertical** and **horizontal synchronization**.

The 6340 provides the interface to the display, turning the data into analog signals for CRT presentation and digital signals for **color** or monochrome LCD display. Included on-chip is a complete RAMDAC (DAC and color look...

15/3,K/3 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

02445859 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**New For PC**  
COMPUTERS TODAY, p60  
August 01, 1998  
JOURNAL CODE: WCOT LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 689

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of 11.6(H)- and 8.7(V)-inch and 16.7M (24-bit) displayable **colours**, it is 15.2- x 15- x 7.1-inch in width, height and depth respectively. Its **synchronisation** frequencies include a **horizontal** scan of 25 KHz to 69 KHz, a **vertical** refresh of 56 Hz to 85 Hz and a **pixel** frequency of 94.5 MHz. With a compatibility of VGA 640 X 480, 60-85...

15/3,K/4 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

017432'69 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**NEC Electronics Announces Ultra-Slim TFT LCD Panels for Notebook PC Market**  
PR NEWSWIRE  
May 26, 1998 8:23  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1036

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Active Matrix  
Screen size:  
264mm x 184.5mm (diagonal screen size of 12.1  
inches)  
Colors :  
262,144  
Resolution:  
800 horizontal x 600 vertical  
No. of Dots:  
1,440,000  
Filter:  
RGB stripe  
Pixel pitch:  
0.30755mm x 0.3075mm  
Brightness:  
100cd/m2 (typ.)  
Contrast:  
150:1 (typ.)  
Interface:  
Digital RGB (each 6-bit) signal  
Horizontal / vertical synchronous signal  
Dot clock signal  
(NL8060BC31-13 offers LVDS support - one chip,  
one port)  
Dimensions:  
275...

...Matrix  
Screen size:  
270.336mm x 202.752mm (diagonal screen size of  
13.3 inches)  
Colors :  
262,144  
Resolution:  
1,024 horizontal x 768 vertical  
No. of Dots:  
2,359,296  
Filter:  
RGB stripe  
Pixel pitch:  
0.264mm x 0.264  
Brightness:  
90cd/m2 (typ.)  
Contrast:  
200:1 (typ.)  
Interface:

Digital RGB (each 6-bit) signal  
Horizontal / vertical synchronous signal  
Dot clock signal  
Dimensions:  
291.0mm x 214.0mm x 6.4 (typ.)mm...

...Matrix

Screen size:  
285.696mm x 214.272mm (diagonal screen size of  
14.1 inches)  
Colors :  
262,144  
Resolution:  
1,024 horizontal x 768 vertical  
No. of Dots:  
2,359,296  
Filter:  
RGB Stripe  
Pixel pitch:  
0.279mm x 0.279mm  
Brightness:  
90cd/m2 (typ.)  
Contrast:  
120:1 (typ.)  
Interface:  
Digital RGB (each 6-bit) signal  
Horizontal / vertical synchronous signal  
Dot clock signal  
LVDS support - one chip, one port  
Dimensions:  
298.0mm x 225...

15/3,K/5 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2004 The Gale group. All rts. reserv.

03617975 SUPPLIER NUMBER: 11233637 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
STB Systems Inc.: STB PowerGraph Ergo-VGA. (Hardware Review) (one of 21  
evaluations of Super VGA boards in 'SVGA Boards: Fast Enough for Windows,  
Cheap Enough for You') (evaluation)  
Rosch, Winn L.  
PC Magazine, v10, n16, p314(2)  
Sept 24, 1991  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 649 LINE COUNT: 00047

... or \$60 extra will put an Edsun CEG chip on the board for 792,096  
colors . With the standard RAMDAC, 256 simultaneous colors are available  
from a palette of 262,144 all the way to the board's top 1,024-by-768-  
pixel resolution. It also supports 132 columns and 60 rows of text.

Note that the PowerGraph's 1,024-by-768 resolution uses unusual  
synchronizing frequencies: 61 kHz horizontal and 75 Hz vertical. While  
these will give less flicker than the more-common 48...

15/3,K/6 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

10746787      SUPPLIER NUMBER: 53560485      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Miniature technology fashions wearable computers.**

Webb, Warren  
EDN, 43, 26, 83(1)  
Dec 17, 1998

ISSN: 0012-7515      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 3237      LINE COUNT: 00273

... 600-pixel resolution. With power requirements of less than 100 mW, the CMD8X6P produces full **color** images at a 75- to 90-Hz frame rate. Built-in **row** and **column** shift registers operate **synchronously** with the **pixel** clock and control signals to produce a **color** depth of 24 bits per **pixel**. **Colorado** MicroDisplay has developed an HMD integrating the display with **color** -sequential sidelight LEDs, display-driver electronics, and optics to produce an effective 15-in. virtual...

15/3,K/7      (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

03500763      SUPPLIER NUMBER: 06495211      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Manage design trade-offs in high-end graphics board.**

Whitton, Mary C.; England, Nick; DeMonico, Chris  
Electronic Design, v36, n6, p77(7)  
March 17, 1988

ISSN: 0013-4872      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 3999      LINE COUNT: 00321

... One controller section handles timing; the second converts digital signals to analog to drive the **color** monitor (Fig. 4).

The timing controller generates **pixel** clock, **horizontal**, and **vertical** signals, all of which can be locked to either an internal oscillator or an external **synchronization** signal. The **pixel** clock should be a phase-locked loop circuit with a 10-to-100-MHz range...

15/3,K/8      (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01538229      SUPPLIER NUMBER: 12734945      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Aydin Ranger 5221. (Hardware Review) (21-inch color SVGA monitor from Aydin**

**Controls) (Evaluation)**  
Cadcam, v11, n8, p61(1)  
Sept, 1992

DOCUMENT TYPE: Evaluation      ISSN: 0963-5750      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 432      LINE COUNT: 00032

...ABSTRACT: SVGA monitor from Aydin Controls has a reasonably good image though it lacks brightness and **colors** are lighter and weaker than on a Trinitron tube. Features include resolutions from VGA to non-interlaced 1280-by-1280 **pixels**, automatic **synchronization**, reasonably flat screen and .31mm dot pitch. Controls include the usual brightness and contrast adjustments, **horizontal** and **vertical** size and position controls, vertical 'side pincushion' distortion and horizontal skewing. Drawbacks include slight coarseness...

15/3,K/9 (Item 1 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0138553 BW647

**MITSUBISHI ELEC:** Mitsubishi Electronics America introduces 37-inch color monitor featuring microprocessor control, digital wireless remote

August 1, 1989

Byline: Business Editors & Computer Science Writers

...as needed.

The high bandwidth video amplifier runs with graphics cards displaying up to 800 **pixels** by 600 lines resolution. Auto-tracking circuitry allows instantaneous **synchronization** over a wide range of **horizontal** (15 to 36 KHz) and **vertical** (45 to 120 Hz) scanning frequencies in both analog **RGB** and TTL modes.

Capability is also provided for superimposing computer-generated graphics over composite video...

?

20/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

02600100 Supplier Number: 43454584 (USE FORMAT 7 FOR FULLTEXT)  
**PICTURE-PERFECT PIXELS: SEARCH IS ON FOR SUPERIOR FLAT-PANEL TECHNOLOGY**  
Electronic Engineering Times, pC20  
Nov 16, 1992  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2252

... convincing top management to establish an ambitious companywide  
FLCD project in 1986, abandoning all other flat-panel display  
development to focus exclusively on ferro.

'When I realized that you can almost infinitely improve...

20/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

02266325 Supplier Number: 42961793 (USE FORMAT 7 FOR FULLTEXT)  
**THORN EMI TO LICENSE SCREEN TECHNOLOGY**  
Screen Digest, pN/A  
May, 1992  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 117

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Colour ferroelectric liquid crystal display ( FLCD ) technology  
developed in UK by Thorn EMI is likely to be licensed to Japanese  
manufacturers in the near future (see also 1992/77b2 and "Prototype display  
may herald HDTV screens" under Technical Developments). Current FLCD  
displays produced by manufacturers such as Thorn EMI (Central Research  
Laboratories, Dawley Road, Hayes, Middlesex UB3 1HH, England;  
+44/81/848-9779) are mainly used in lap-top computers. However, large  
screens made up of smaller FLCD panels may be key to light-weight HDTV  
systems for the home.

20/3,K/3 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

07350190 SUPPLIER NUMBER: 16363793  
**Time for antiferroelectric LCDs, says Citizen. (Citizen Watch Company Ltd)**  
Hara, Yoshiko  
Electronic Engineering Times, n816, p40(2)  
Sept 26, 1994  
ISSN: 0192-1541 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: research and development (R&D). Specifically, AF-LCD displays  
offer similar advantages as ferroelectric LCDs ( FLCD ), such as quicker  
response times and a viewing angle that is wider than twisted-nematic...

...a contrast ration of 1:30, and a viewing angle of 40 degrees vertically  
and horizontally .



20/3,K/4 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

00507882 CMP ACCESSION NUMBER: EET19921116S0747  
**Picture-Perfect Pixels - search is on for superior flat- panel technology**  
DAVID LIEBERMAN  
ELECTRONIC ENGINEERING TIMES, 1992, n 721, 20  
PUBLICATION DATE: 921116  
JOURNAL CODE: EET LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: C2 Displays  
WORD COUNT: 2265

... convincing top management to establish an ambitious companywide  
FLCD project in 1986, abandoning all other **flat -panel display**  
development to focus exclusively on ferro.  
"When I realized that you can almost infinitely improve...

20/3,K/5 (Item 1 from file: 696)  
DIALOG(R)File 696:DIALOG Telecom. Newsletters  
(c) 2004 The Dialog Corp. All rts. reserv.

00607903  
**Deals**  
VIDEO TECHNOLOGY NEWS  
June 1, 1998 VOL: 11 ISSUE: 11 DOCUMENT TYPE: NEWSLETTER  
PUBLISHER: PHILLIPS BUSINESS INFORMATION  
LANGUAGE: ENGLISH WORD COUNT: 807 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:  
...s DTV Navigator platform will be  
ported to GI's DVi-2000 interactive digital set- **top** providing access  
to any HDTML and Javascript application, including Internet based  
applications.  
\* Announced: May 18...

...cable, satellite, PC and terrestrial networks, is  
providing the design for the Grundig-manufactured set- **top** boxes and  
integrated digital TVs that receive digital terrestrial broadcasts.  
\* Announced: May 18  
\* No. of Products: 1  
\* Product: set- **top** boxes  
\* Contact: TV/COM International, Merritt Doyle, 619/618-4876;

British Digital Broadcasting (NET), CANAL...

...service to be launched before the end of 1998,  
will run on its digital set- **top** boxes the MEDIAHIGHWAY interactive  
system from CANAL+.  
\* Announced: May 26  
\* No. of Products: 1  
\* Product...

...Kormeluk, 408/490-8561

Samsung (CE), Displaytech, Inc. (CE)

Samsung will integrate DisplayTech's Lightcaster **ferroelectric**  
**liquid crystal display (FLCD)** panels into its **HDTV** products, to  
be  
introduced in 1999.

\* Announced: May 18

\* No. of Products: 1

\* Product: Lightcaster...

...alliance will combine

Concurrent's MediaHawk server with Scientific-Atlanta's Explorer 2000  
digital set **top** boxes.

\* Announced: May 26

\* No. of Products: 2

\* Products: MediaHawk/Explorer 2000

\* Contacts: Scientific-Atlanta...on SCM's CIMaX controller  
chip as an optional module on the ViSTA Horizon set- **top** box reference  
system. The alliance is developing products targeting Europe's DVB-CI  
(Digital Video...

...VOD=Video-On-Demand; SAT=Satellite; NET=Networks (Broadcast & Cable);  
IT=Internet TV; STB=Set- **Top** Boxes; VST=Video Streaming

...

?